

U. S. DEPARTMENT OF COMMERCE

DANIEL C. ROPER, Secretary

COAST AND GEODETIC SURVEY

R. S. PATTON, Director

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SERIAL No. 577

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# CATALOG

OF

## U. S. COAST AND GEODETIC SURVEY NAUTICAL CHARTS, COAST PILOTS, TIDE TABLES CURRENT TABLES, TIDAL CURRENT CHARTS, AIRWAY MAPS

ATLANTIC AND GULF COASTS, PUERTO RICO, VIRGIN  
ISLANDS, AND THE CANAL ZONE; PACIFIC COAST  
ALASKA, THE HAWAIIAN ISLANDS AND GUAM  
AND THE PHILIPPINE ISLANDS

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EDITION: APRIL 1935



# CATALOG OF NAUTICAL CHARTS, COAST PILOTS, TIDE TABLES, CURRENT TABLES, TIDAL CURRENT CHARTS, AND AIRWAY MAPS

## GENERAL INFORMATION

This catalog lists information regarding items sold by the Coast and Geodetic Survey of the Department of Commerce and its authorized sales agents. An index appears on page 60.

**Purchases** may be made from any of the sales agents listed in this catalog. However, if ordering by mail of the United States Coast and Geodetic Survey, Washington, D. C., or Manila, P. I., remit by money order, express order, or check, payable to the United States Coast and Geodetic Survey and *not by name to any individual*. Money is unsafe except by registered mail. Postage stamps can not be accepted. Order by catalog number only.

Nautical charts are grouped in the following order: Atlantic and Gulf coasts, Puerto Rico, Virgin Islands, the Canal Zone, the Pacific coast, Alaska, the Hawaiian and Guam, and the Philippine Islands. A numerical arrangement appears in the back, for ready reference to page and price.

There are also listed United States coast pilots and intra-coastal waterways (inside route) pilots, tide tables, current tables, tidal current charts, airway maps, miscellaneous maps

and plans, and Philippine topographic maps and books on triangulation.

Catalogs are issued annually. The annual list of publications of the Department of Commerce, free on application, lists the many other publications of the Coast and Geodetic Survey, covering its activities in hydrography, tides, currents, geodesy, terrestrial magnetism, and seismology.

**Notice to Mariners (United States)**, a weekly leaflet issued jointly with the Bureau of Lighthouses of the Department of Commerce, is free to those who desire copies regularly. It may be consulted at sales agencies listed herein and at all United States customhouses, lighthouse offices, hydrographic offices, and consulates abroad. A **separate Notice to Mariners (Philippine Islands)** is published by the United States Coast and Geodetic Survey field station at Manila. Notice to Mariners is issued as a safety aid, to keep mariners advised of constant changes so they may keep their nautical charts and coast pilots up to date. New charts, new editions of charts, and new publications, are also announced therein.

## NAUTICAL CHARTS

Published primarily for navigational use, nautical charts portray the water areas rather than the land. As they are not designed as topographic maps, but a strip of topography extending a short distance inland is usually shown and back of this only important landmarks visible at sea are included.

Field surveys are made on much larger scales than those on which the charts are published. The larger scales permit the showing of greater detail and provide a more comprehensive record of conditions existing at the specific time the survey was made. The chart is also frequently a compilation of data secured at different times. One portion, comprising an unchanged area, may be based upon a survey of years ago, while another part, subject to natural or artificial changes, shows the results of very recent surveys. **When information is desired on a larger scale than that of the chart, or where the actual date applicable to the information shown becomes of importance**, the public is frequently better served by having recourse to original survey records, copies of which are available at the nominal cost of reproduction.

Nautical charts are constructed on different scales, to adapt them to varied navigational purposes. Small-scale charts include large areas, suited to off-shore navigation; large-scale charts cover small areas, suited to alongshore navigation. They are grouped in the following order, the limit of each chart being graphically shown on diagrams facing the page on which it is listed.

**Sailing charts.**—Scales from 1:600,000 to 1:4,500,000. Intended to fix the navigator's position as he approaches the coast from the open ocean or when sailing between distant coast ports. They show offshore soundings, the principal lights and outer buoys and natural landmarks visible at considerable distance.

**General charts of the coast.**—Scales from 1:180,000 to 1:400,000. Designed for coastwise navigation, when a vessel's course would mostly be within sight of land, with her position fixed by landmarks, lights, outer buoys, and characteristic soundings.

**Coast charts.**—Scales from 1:80,000 to 1:100,000. Prepared for close coastwise navigation, when a vessel's course would carry her inside outlying reefs and shoals; also for entering bays and harbors of considerable width and for navigating large inland waterways.

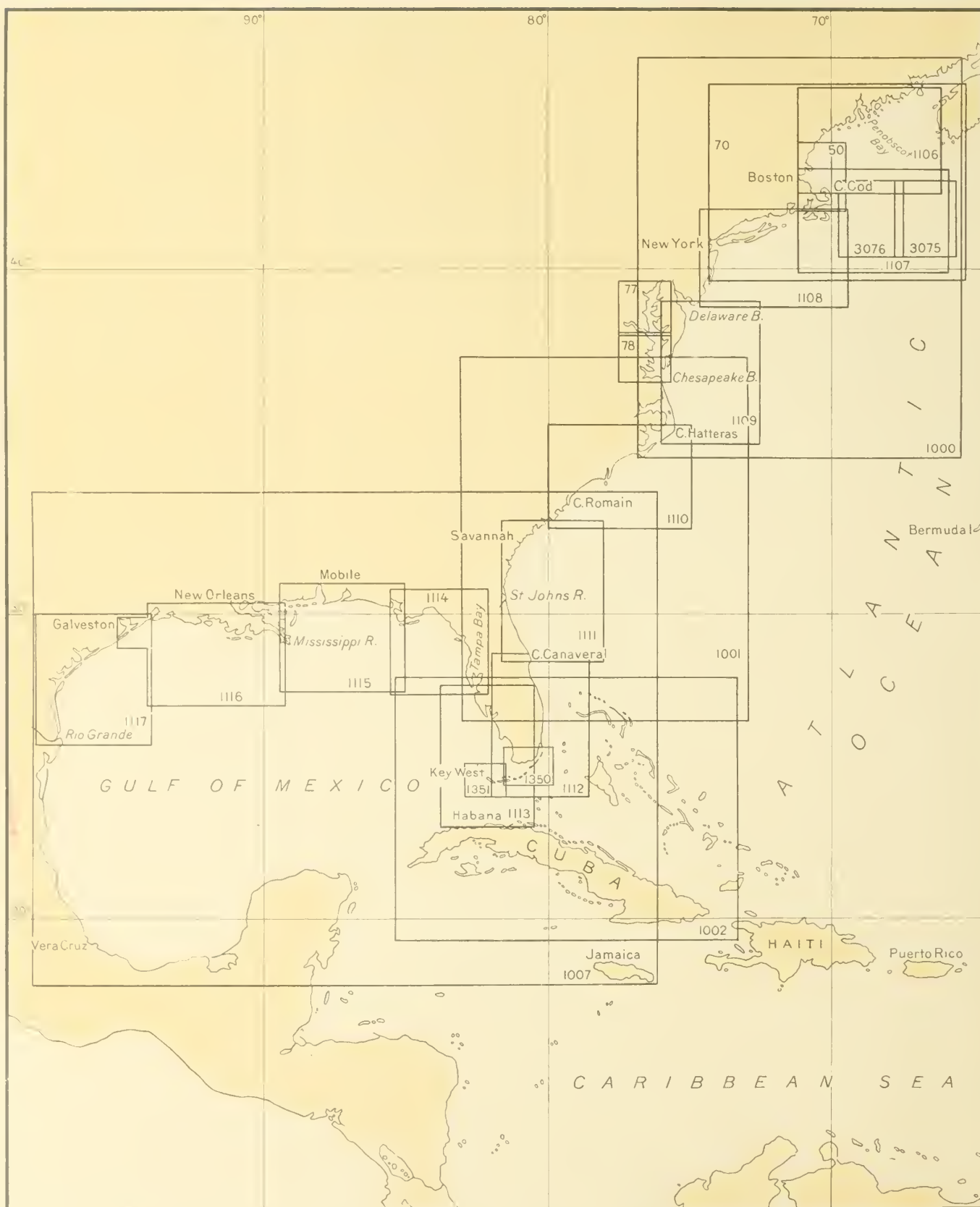
**Harbor charts.**—Scales from 1:5,000 to 1:40,000. Planned for navigation of harbors and small waterways.

**Intracoastal waterways (inside route) charts.**—Scales from 1:80,000 to 1:400,000. Embrace the inside route from Norfolk to Key West.

### SCALE EQUIVALENTS

The following table gives the lengths of nautical and statute miles on the several scales named, these scales being the proportionate size of the chart to nature. For example, in scale 1:1,200, the chart is 1:1,200 part of the actual linear dimensions in nature (or 100 feet to the inch), equal to 60.8 inches to a nautical mile, and 52.8 inches to a statute mile.

Scale	Nautical mile		Statute mile	
	Inches	Centimeters	Inches	Centimeters
1:1,200	60.803	154.44	52.800	134.11
1:2,400	30.401	77.22	26.400	67.06
1:4,800	15.201	38.61	13.200	33.53
1:5,000	14.593	37.06	12.672	32.19
1:10,000	7.296	18.53	6.336	16.09
1:15,000	4.864	12.36	4.224	10.73
1:20,000	3.648	9.27	3.168	8.05
1:30,000	2.432	6.18	2.112	5.36
1:40,000	1.824	4.63	1.584	4.02
1:50,000	1.459	3.71	1.267	3.22
1:60,000	1.216	3.09	1.056	2.68
1:80,000	.912	2.32	.792	2.01
1:100,000	.730	1.85	.634	1.61
1:200,000	.365	.93	.317	.80
1:400,000	.182	.46	.158	.40
1:1,000,000	.073	.18	.063	.16
1:1,200,000	.061	.15	.053	.13



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# SAILING AND GENERAL CHARTS OF THE ATLANTIC AND GULF COASTS



## NAUTICAL CHARTS—Continued

A nautical mile is a minute of an average great circle of the earth, and its length is 6,080 feet, or 1,853.2 meters. A statute mile is 5,280 feet, or 1,608.3 meters. One meter equals 39.37 inches; 1 centimeter equals 0.3937 inches; 1 inch equals 2.54 centimeters.

### DATES ON CHARTS

Nautical charts show all necessary corrections as to lights, beacons, buoys, recently discovered wrecks, etc., as of the date of issuance from the Washington, D. C., or Manila, P. I. offices, printed in the lower right margin in the following manner:

#### LIGHTS, BEACONS, BUOYS, AND DANGERS CORRECTED FOR INFORMATION RECEIVED TO DATE OF ISSUE (DATE)

Other dates, although of less importance, are necessary for the identification of the chart and should be understood. The **authority note** gives the dates (years) of the surveys (made by the United States Coast and Geodetic Survey unless otherwise stated) and reads:

#### AUTHORITIES

#### SURVEYS (DATE)

#### SURVEYS BY U. S. ENGINEERS (DATE)

When a **new nautical chart** is issued, the date (month and year) is printed in the **publication note**:

PUBLISHED AT WASHINGTON, D. C. (OR) MANILA, P. I. (DATE)

BY THE U. S. COAST AND GEODETIC SURVEY

R. S. PATTON, *Director*

This note is located in a central position below the border and remains unchanged until extensive corrections accumulate. The date is then changed and the chart reissued as a **new edition**. Mariners are accordingly warned against using obsolete charts.

When a correction, not of sufficient importance to require a new edition, is made to a chart plate, the year, month, and day are noted below the border in the left-hand corner of the chart in the following manner: 19-6/30, 7/22, 20-2/3, 5/27.

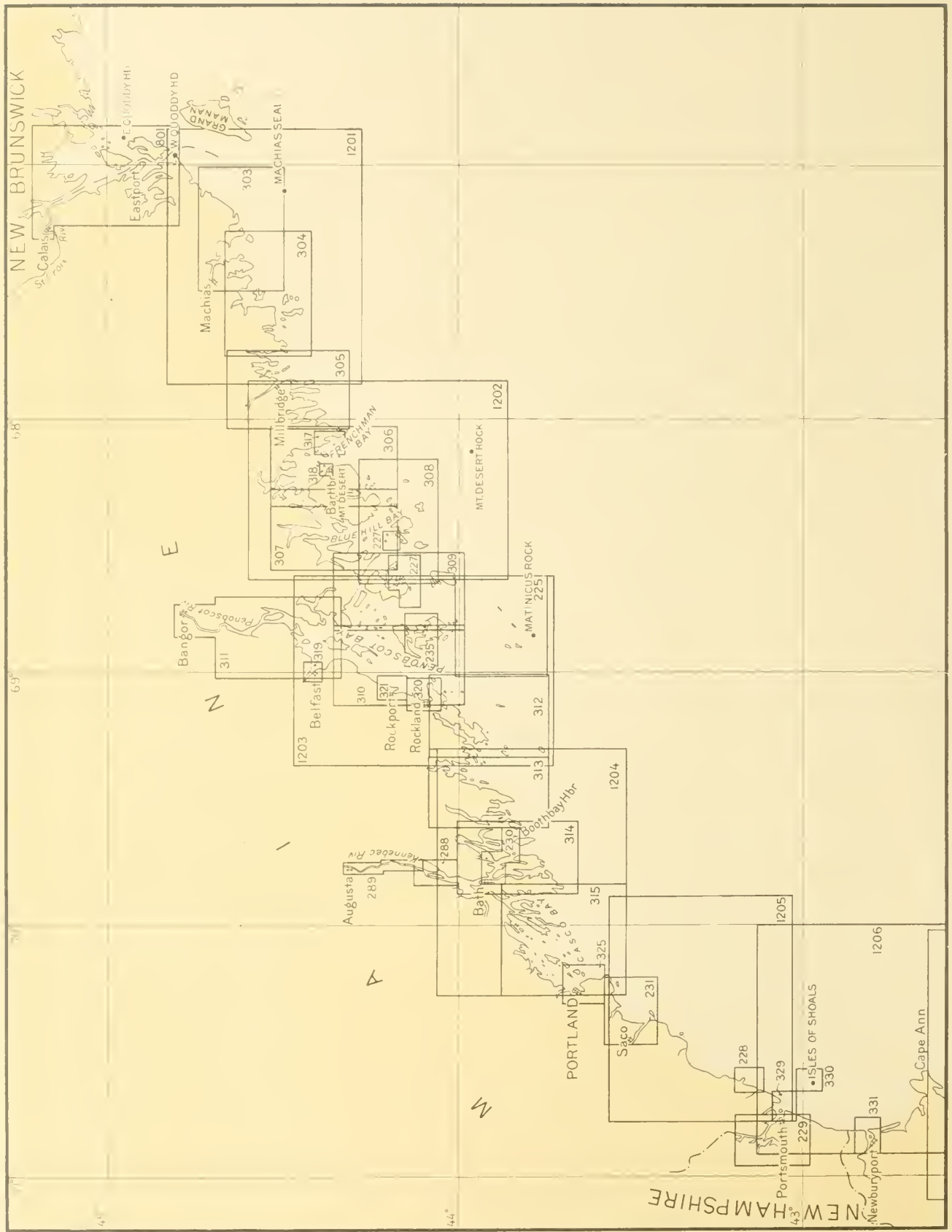
All important corrections occurring subsequent to the date of issue are announced in the weekly **Notice to Mariners** and should be immediately applied by hand by the chart owner.

The other notes on the chart should be read, as they may relate to navigation aids or to dangers which can not be clearly charted. Other details which can not be shown on nautical charts, appear in **United States Coast Pilots** or **Intracoastal Waterways Pilots** for the area covered.

## SAILING AND GENERAL CHARTS OF THE ATLANTIC AND GULF COASTS

No.	Price	TITLE	Scale	Size of border (inches)	Date
<b>SAILING CHARTS</b>					
1000	\$0.75	Cape Sable to Cape Hatteras.....	*1:1,200,000	33×41	1934
1001	.75	Chesapeake Bay to Straits of Florida.....	*1:1,198,000	33×41	1932
1002	.75	Straits of Florida and approaches.....	*1:1,197,000	33×41	1933
1007	.75	Gulf of Mexico.....	*1:2,195,000	34×42	1933
70	.75	West Quoddy Head to New York.....	*1:684,000	34×44	1935
<b>GENERAL CHARTS</b>					
50	.75	Cape Elizabeth to Cape Cod.....	*1:210,220	28×44	1934
77	.75	Chesapeake Bay, northern part.....	*1:200,000	32×35	1931
78	.75	Chesapeake Bay, southern part.....	*1:200,000	31×32	1930
1106	.75	Bay of Fundy to Cape Cod.....	*1:384,000	34×44	1933
1107	.75	Georges Bank and Nantucket Shoals.....	*1:391,000	32×46	1934
1108	.75	Approaches to New York.....	*1:400,000	32×47	1931
1109	.75	Cape May to Cape Hatteras.....	*1:415,000	31×44	1934
1110	.75	Cape Hatteras to Charleston Light.....	*1:433,000	31×44	1929
1111	.75	Charleston Light to Cape Canaveral.....	*1:450,000	31×43	1932
1112	.75	Cape Canaveral to Key West.....	*1:470,000	29×45	1932
1113	.75	Habana to Tampa Bay.....	*1:471,000	29×43	1933
1114	.75	Tampa Bay to Cape San Blas.....	*1:456,000	29×32	1934
1115	.75	Cape St. George to Mississippi Passes.....	*1:456,000	32×39	1925
1116	.75	Mississippi River to Galveston.....	*1:459,000	34×43	1935
1117	.75	Galveston to the Rio Grande.....	*1:461,000	35×41	1919
1350	.75	Florida Keys, Fowey Rocks to American Shoal.....	1:180,000	33×37	1922
1351	.75	Florida Keys, American Shoal to Dry Tortugas.....	1:180,000	25×38	1922
<b>SPECIAL CHART FOR FISHING INDUSTRY</b>					
3075	.75	Georges Bank, eastern part.....	*1:225,000	33×40	1932
3076	.75	Georges Bank, western part.....	*1:225,000	35×41	1934

\* Scale approximate.

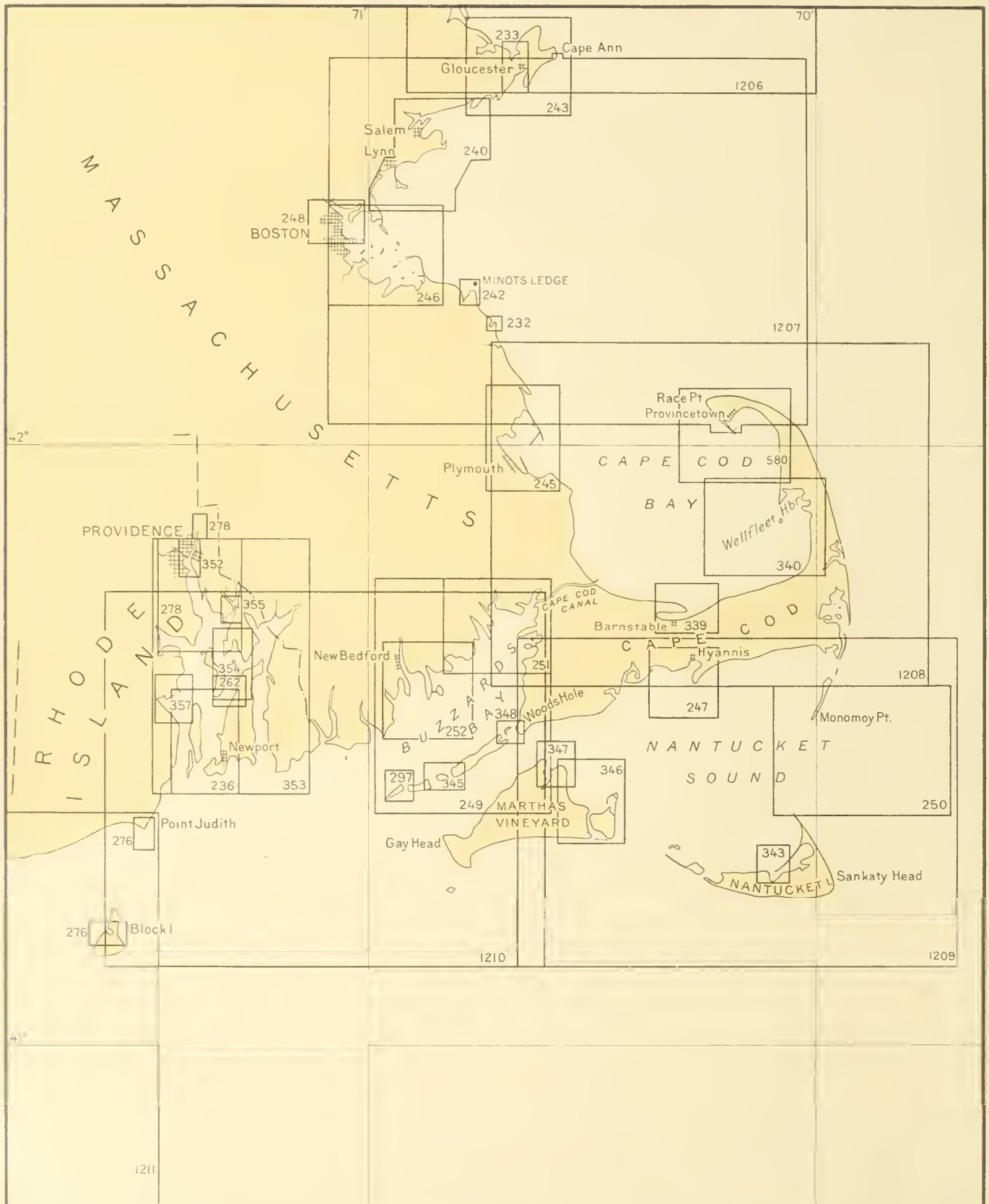


COAST AND HARBOR CHARTS OF THE ATLANTIC COAST

C. & G. S. Print

# COAST AND HARBOR CHARTS OF THE ATLANTIC COAST

No.	Price	TITLE	State	Scale	Size of border (inches)	Date
NEW ENGLAND AREA						
225	\$0. 50	Approach to Penobscot Bay.....	Maine.....	1:40,000	30×33	1915
		Matinicus Harbor.....	do.....	1:5,000		
227	. 25	Deer Island Thorofare and Casco Passage.....	do.....	1:20,000	19×33	1927
228	. 25	Cape Neddick Harbor to York River.....	do.....	1:20,000	17×18	1912
229	. 50	Portsmouth to Dover and Exeter.....	Me. and N. H.....	1:30,000	23×33	1914
230	. 50	Boothbay Harbor to Bath.....	Maine.....	1:15,000	26×33	1922
231	. 75	Saco Bay and vicinity.....	do.....	1:20,000	29×40	1929
235	. 25	Fox Islands Thororoughfare.....	do.....	1:20,000	20×32	1914
288	. 50	Kennebec River, Abagadasset Point to Courthouse Point.....	do.....	1:15,000	21×34	1916
289	. 50	Kennebec River, Courthouse Point to Augusta.....	do.....	1:15,000	22×34	1917
303	. 75	Moose Cove to Englishman Bay, including Machias Bay.....	do.....	1:40,000	28×39	1919
304	. 75	Cross Island to Nash Island.....	do.....	1:40,000	27×40	1926
305	. 75	Nash Island to Schoodic Island.....	do.....	1:40,000	25×39	1931
306	. 75	Frenchmans Bay and eastern part of Mount Desert Island.....	do.....	1:40,000	26×40	1926
307	. 75	Blue Hill Bay and western part of Mount Desert Island.....	do.....	1:40,000	25×40	1926
308	. 75	Blue Hill Bay and Eggemoggin Reach.....	do.....	1:40,000	26×39	1931
309	. 75	East Penobscot Bay.....	do.....	1:40,000	25×40	1931
310	. 75	West Penobscot Bay.....	do.....	1:40,000	26×40	1927
311	. 75	Penobscot River.....	do.....	1:40,000	26×41	1932
312	. 75	St. George River and Muscle Ridge Channel.....	do.....	1:40,000	26×38	1929
313	. 75	Damariscotta and Medomak Rivers.....	do.....	1:40,000	26×39	1933
314	. 75	Kennebec and Sheepscot Rivers.....	do.....	1:40,000	24×39	1935
315	. 75	Casco Bay.....	do.....	1:40,000	35×41	1933
317	. 25	Winter Harbor, Schoodic Peninsula.....	do.....	1:20,000	15×19	1919
318	. 25	Bar Harbor, Mount Desert Island.....	do.....	1:10,000	13×16	1926
319	. 25	Belfast Harbor.....	do.....	1:20,000	12×14	1917
320	. 25	Rockland Harbor.....	do.....	1:20,000	21×22	1917
321	. 25	Camden and Rockport Harbors.....	do.....	1:20,000	15×18	1933
325	. 50	Portland Harbor.....	do.....	1:20,000	26×29	1932
329	. 50	Portsmouth Harbor.....	Me. and N. H.....	1:10,000	30×33	1923
330	. 25	Isles of Shoals.....	do.....	1:20,000	15×18	1930
331	. 25	Newburyport Harbor.....	Massachusetts.....	1:20,000	17×25	1930
801	. 75	Calais to West Quoddy Head.....	Maine.....	1:40,000	31×46	1919
1201	. 75	Quoddy Roads to Petit Manan Island.....	do.....	1:80,000	31×41	1921
1202	. 75	Frenchman and Blue Hill Bays, and approaches.....	do.....	1:80,000	32×41	1932
1203	. 75	Penobscot Bay and approaches.....	do.....	1:80,000	32×42	1920
1204	. 75	Monhegan Island to Cape Elizabeth.....	do.....	1:80,000	31×40	1931
1205	. 75	Cape Elizabeth to Portsmouth.....	Me. and N. H.....	1:80,000	30×37	1930
1206	. 75	Portsmouth to Cape Ann.....	N. H. and Mass.....	1:80,000	32×38	1929



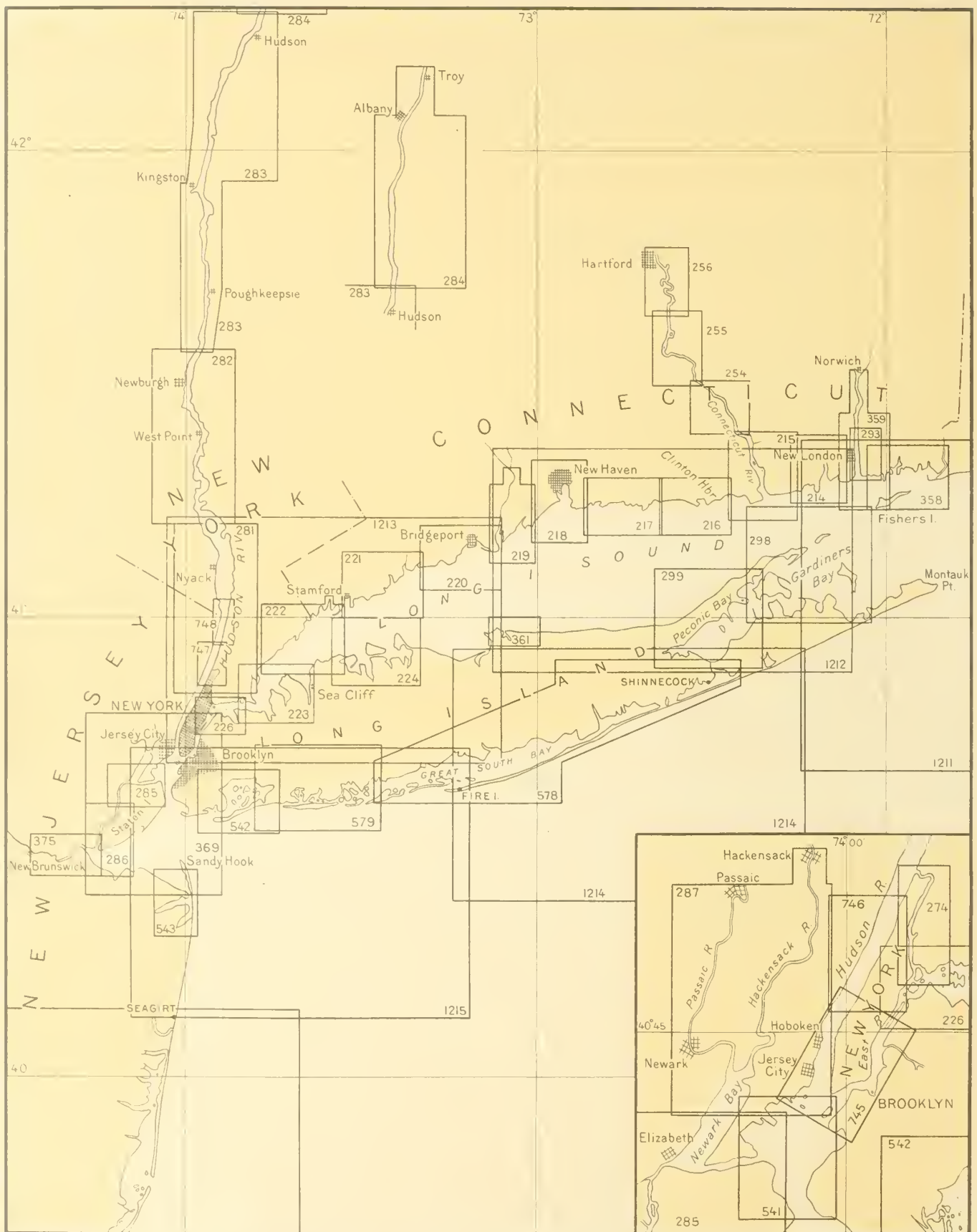
COAST AND HARBOR CHARTS OF THE ATLANTIC COAST – CONTINUED

C. & G. S. Print



# COAST AND HARBOR CHARTS OF THE ATLANTIC COAST—Continued

No.	Price	TITLE	State	Scale	Size of border (inches)	Date
NEW ENGLAND AREA—continued						
232	\$0.25	Scituate Harbor.....	Massachusetts.....	1:5,000	16×20	1933
233	.50	Gloucester Harbor and Annisquam River.....	do.....	1:10,000	22×42	1933
236	.50	Newport Harbor and entrance to Narragansett Bay.....	Rhode Island.....	1:20,000	25×37	1931
240	.75	Salem and Lynn Harbors.....	Massachusetts.....	1:20,000	35×42	1933
242	.50	Cohasset Harbor.....	do.....	1:5,000	26×31	1933
243	.75	Ipswich Bay to Gloucester Harbor.....	do.....	1:20,000	34×39	1933
		Rockport Inner Harbor.....	do.....	1:5,000		
245	.75	Harbors of Plymouth, Kingston, and Duxbury.....	Massachusetts.....	1:20,000	28×38	1932
246	.75	Boston Harbor.....	do.....	1:20,000	34×44	1934
247	.50	Hyannis Harbor.....	do.....	1:20,000	26×27	1933
248	.75	Boston Inner Harbor.....	do.....	1:10,000	33×41	1934
249	.75	Buzzards Bay.....	do.....	1:40,000	34×43	1933
250	.50	Eastern entrance to Nantucket Sound.....	do.....	1:40,000	25×34	1934
251	.75	Head of Buzzards Bay.....	do.....	1:20,000	34×41	1933
252	.75	New Bedford Harbor and approaches.....	do.....	1:20,000	34×35	1933
262	.25	Narragansett Bay Eastern Passage, Carrs Point to Sandy Point.....	Rhode Island.....	1:10,000	22×23	1933
276	.50	Harbors of Refuge at Point Judith and Block Island.....	do.....	1:10,000	20×44	1933
278	.75	Providence River and Head of Narragansett Bay.....	do.....	1:20,000	31×38	1932
		Seekonk River, Continuation to Pawtucket.....	do.....	1:20,000		
297	.25	Cuttyhunk Harbor.....	Massachusetts.....	1:10,000	19×22	1934
339	.25	Barnstable Harbor.....	do.....	1:20,000	16×23	1914
340	.25	Wellfleet Harbor.....	do.....	1:50,000	14×18	1921
343	.50	Nantucket Harbor.....	do.....	1:10,000	25×30	1930
345	.25	Robinsons Hole and Quicks Hole.....	do.....	1:10,000	19×25	1922
346	.50	Edgartown Harbor, Marthas Vineyard.....	do.....	1:20,000	25×32	1930
347	.50	Vineyard Haven.....	do.....	1:10,000	27×36	1934
348	.25	Woods Hole.....	do.....	1:10,000	14×21	1933
352	.25	Providence Harbor.....	Rhode Island.....	1:10,000	16×20	1932
353	.75	Narragansett Bay.....	do.....	1:40,000	31×46	1932
354	.25	Bristol Harbor and approaches.....	do.....	1:20,000	14×27	1934
355	.25	Warren River.....	do.....	1:10,000	15×20	1932
357	.25	Wickford Harbor, Narragansett Bay.....	do.....	1:20,000	15×18	1916
580	.75	Provincetown Harbor.....	Massachusetts.....	1:20,000	33×42	1934
1207	.75	Massachusetts Bay.....	do.....	1:80,000	34×44	1932
1208	.75	Cape Cod Bay.....	do.....	1:80,000	32×41	1934
1209	.75	Nantucket Sound and Approaches.....	do.....	1:80,000	31×42	1933
1210	.75	Marthas Vineyard to Block Island, including Buzzards and Narragansett Bays.....	Mass. and R. I.....	1:80,000	34×42	1930
1211	.75	Block Island Sound and approaches.....	R. I., Conn., and N. Y.....	1:80,000	34×40	1934

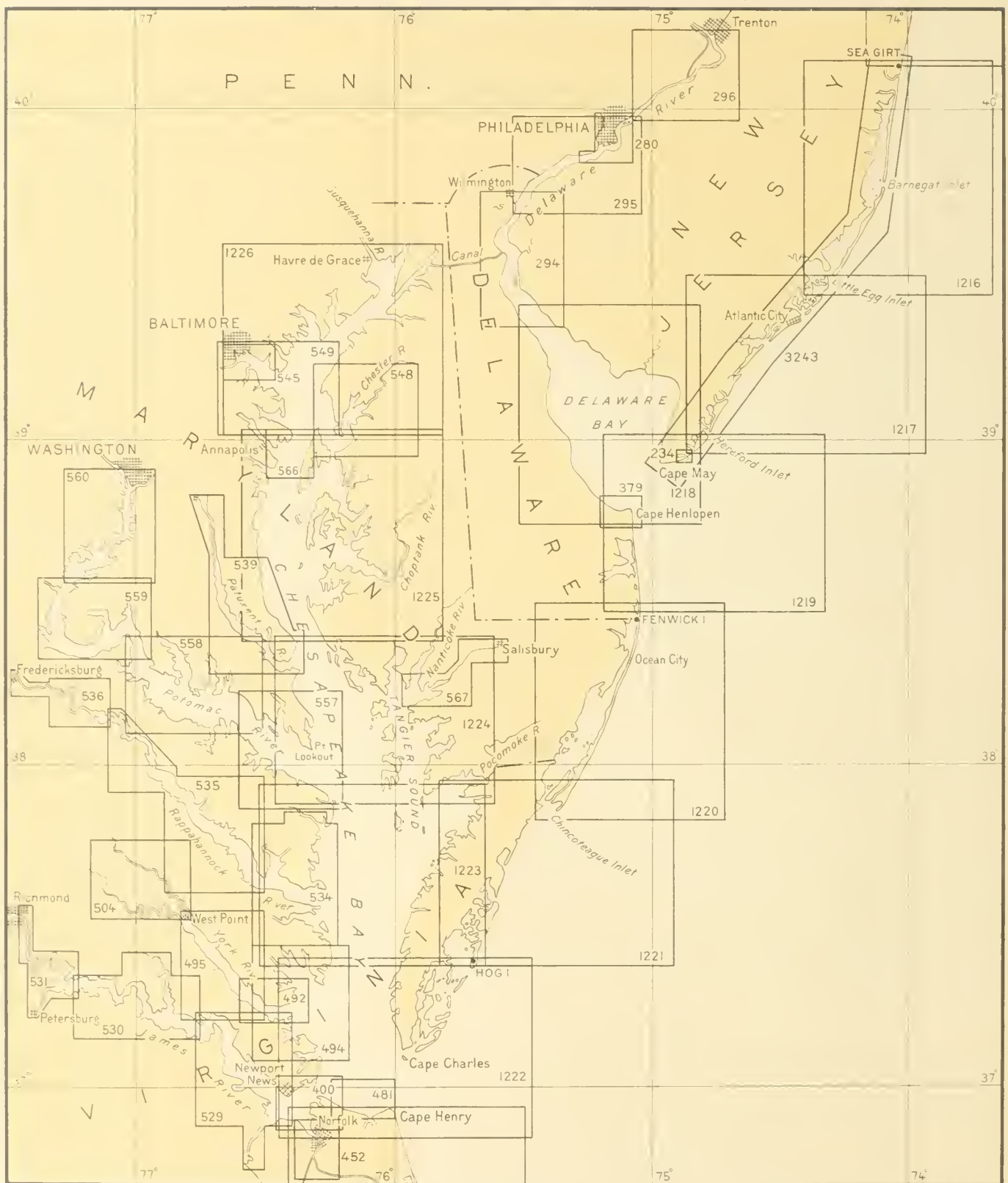


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# COAST AND HARBOR CHARTS OF THE ATLANTIC COAST – CONTINUED

# COAST AND HARBOR CHARTS OF THE ATLANTIC COAST—Continued

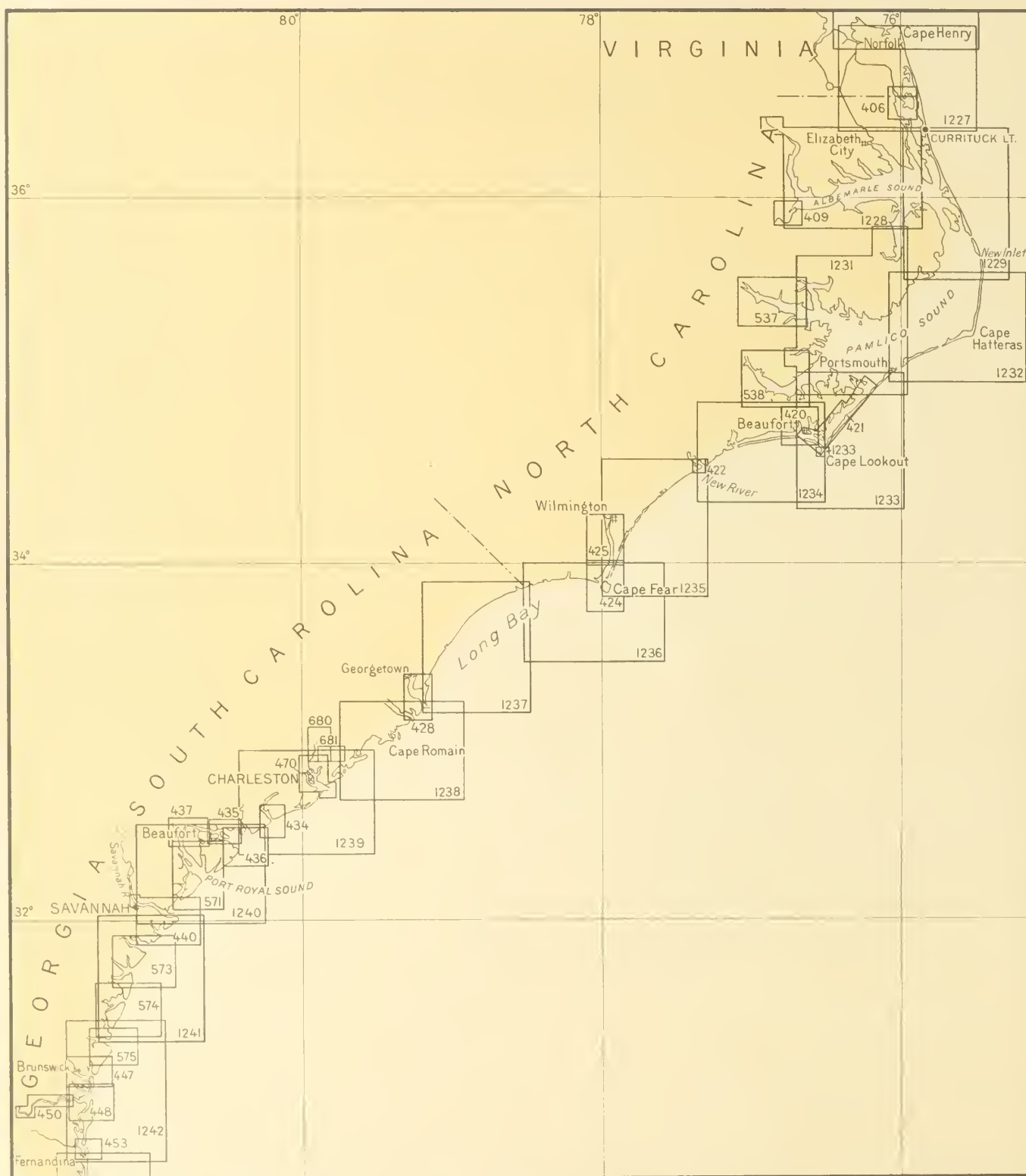
No.	Price	TITLE	State	Scale	Size of border (inches)	Date
LONG ISLAND AREA						
214	\$0.50	Goshen Point to Hatchett Point, including Niantic Bay.....	Connecticut.....	1:20,000	28×31	1925
215	.75	Connecticut River, entrance to Deep River.....	do.....	1:20,000	33×40	1933
216	.50	Duck Island to Madison Reef.....	do.....	1:20,000	27×35	1924
217	.50	Guilford Harbor to East Haven River.....	do.....	1:20,000	27×37	1933
218	.75	New Haven Harbor.....	do.....	1:20,000	28×37	1935
219	.50	Milford to Stratford including Housatonic River.....	do.....	1:20,000	22×36	1929
220	.75	Stratford to Sherwood Point.....	do.....	1:20,000	32×40	1933
221	.75	Sherwood Point to Stamford Harbor.....	do.....	1:20,000	32×39	1935
222	.75	Greenwich Point to New Rochelle.....	Conn. and N. Y.....	1:20,000	33×43	1932
223	.75	Long Island Sound and East River (Hempstead Harbor to Tallman Is.).....	L. I., N. Y.....	1:20,000	28×36	1934
224	.75	Oyster and Huntington Bays.....	do.....	1:20,000	33×43	1932
226	.75	East River, Tallman Island to Queensboro Bridge.....	do.....	1:10,000	30×44	1934
		Little Hell Gate.....		1:5,000		
254	.50	Connecticut River, Deep River, to Higganum.....	Connecticut.....	1:20,000	26×29	1934
255	.50	Connecticut River, Higganum to Rocky Hill.....	do.....	1:20,000	24×37	1933
256	.50	Connecticut River, Rocky Hill to Hartford.....	do.....	1:20,000	20×36	1933
274	.25	Harlem River.....	New York.....	1:10,000	16×41	1934
281	.50	Hudson River—New York to Haverstraw.....	N. Y. and N. J.....	1:40,000	20×41	1933
282	.50	Hudson River—Haverstraw to Newburgh.....	New York.....	1:40,000	20×42	1934
283	.75	Hudson River—Poughkeepsie to Hudson.....	do.....	1:40,000	30×41	1934
284	.50	Hudson River—Cocksackie to Troy.....	do.....	1:40,000	20×41	1932
285	.75	Kill Van Kull and Northern Part of Arthur Kill.....	N. Y. and N. J.....	1:15,000	32×36	1934
286	.75	Raritan Bay and Southern Part of Arthur Kill.....	do.....	1:15,000	29×44	1934
287	.75	Passaic and Hackensack Rivers.....	New Jersey.....	1:20,000	28×41	1933
293	.75	New London Harbor and Submarine Base.....	Connecticut.....	1:10,000	30×45	1934
		Thames River—New London to Submarine Base.....		1:5,000		
298	.50	Gardiners Bay, Long Island.....	New York.....	1:40,000	29×31	1930
299	.25	Peconic Bay, Long Island.....	do.....	1:40,000	25×27	1928
		Mattituck Inlet.....		1:10,000		
358	.75	Fishers Island Sound.....	R. I., Conn., and N. Y.....	1:20,000	28×41	1932
359	.75	Thames River—Harbor of New London and approaches.....	Connecticut.....	1:20,000	25×42	1933
361	.75	Port Jefferson and Mount Sinai Harbors.....	New York.....	1:10,000	29×39	1933
369	.75	New York Harbor.....	N. Y. and N. J.....	1:40,000	34×44	1935
375	.50	Raritan River.....	New Jersey.....	1:20,000	20×34	1934
541	.75	New York Harbor, Upper Bay and Narrows (anchorage chart).....	N. Y. and N. J.....	1:10,000	34×44	1935
542	.75	Jamaica Bay and Rockaway Inlet.....	New York.....	1:20,000	31×40	1934
543	.50	Shrewsbury River.....	New Jersey.....	1:20,000	22×32	1933
578	.75	Inland Waters, Shinnecock Bay to Great South Bay.....	L. I., N. Y.....	1:40,000	34×45	1934
579	.25	Hempstead Bay.....	do.....	1:40,000	20×30	1934
745	.75	Hudson and East Rivers from West 67th Street to Blackwells Island.....	N. Y. and N. J.....	1:10,000	31×46	1935
746	.75	Hudson River, Days Point to Fort Washington Point.....	do.....	1:10,000	28×41	1933
747	.75	Hudson River, Fort Washington Point to Yonkers.....	do.....	1:10,000	25×44	1932
1748	.75	Hudson River—Yonkers to Piermont.....	do.....	1:10,000	22×45	1932
1211	.75	Block Island Sound and approaches.....	R. I., Conn., and N. Y.....	1:80,000	34×40	1934
1212	.75	Long Island Sound, eastern part.....	Conn. and N. Y.....	1:80,000	28×44	1931
1213	.75	Long Island Sound, western part.....	do.....	1:80,000	30×40	1935
1214	.75	Shinnecock Light to Fire Island Light.....	New York.....	1:80,000	32×44	1919
1215	.75	Approaches to New York, Fire Island Light to Sea Girt Light.....	N. Y. and N. J.....	1:80,000	33×41	1934





# COAST AND HARBOR CHARTS OF THE ATLANTIC COAST—Continued

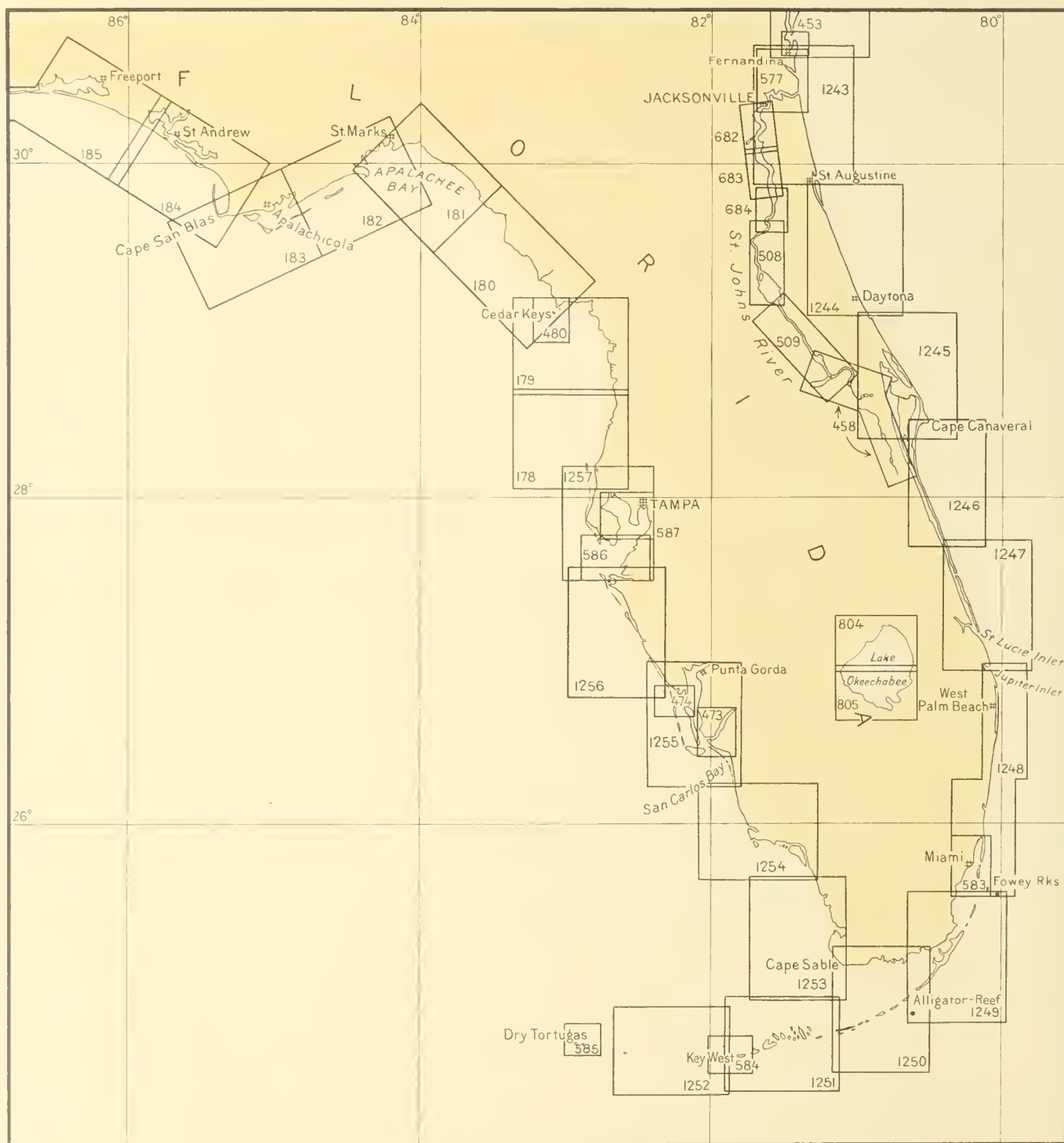
No.	Price	TITLE	State	Scale	Size of border (inches)	Date
CHESAPEAKE AND DELAWARE BAYS AREA						
234	\$0.25	Cape May Harbor.....	New Jersey.....	1:10,000	18×25	1933
280	.75	Philadelphia and Camden waterfronts.....	Pa. and N. J.....	1:15,000	34×41	1934
294	.75	Delaware River—Bombay Hook to Wilmington.....	N. J. and Del.....	1:40,000	29×45	1934
295	.75	Delaware River—Wilmington to Philadelphia.....	N. J. and Pa.....	1:40,000	32×43	1935
296	.50	Delaware River—Philadelphia to Trenton.....	do.....	1:40,000	28×33	1933
		Trenton.....		1:20,000		
379	.25	Cape Henlopen and the Delaware Breakwater.....	Delaware.....	1:20,000	21×27	1933
400	.75	Hampton Roads.....	Virginia.....	1:20,000	34×41	1931
452	.75	Norfolk Harbor and Elizabeth River.....	do.....	1:20,000	33×41	1935
481	.75	Cape Henry to Thimble Shoal Light.....	do.....	1:20,000	29×43	1930
492	.75	York River, Below Kings Creek.....	do.....	1:20,000	32×46	1934
494	.75	York River, entrance to Yorktown.....	do.....	1:40,000	32×41	1933
495	.75	York River, Yorktown to Westpoint.....	do.....	1:40,000	31×40	1931
504	.75	Pamunkey and Mattaponi Rivers.....	do.....	1:40,000	34×41	1931
529	.75	James River, Newport News to Jamestown.....	do.....	1:40,000	34×40	1932
530	.50	James River, Jamestown Island to Jordan Point.....	do.....	1:40,000	21×41	1932
531	.75	James River, Jordan Point to Richmond.....	do.....	1:20,000	31×41	1934
534	.75	Rappahannock River Entrance and Great Wicomico River.....	do.....	1:40,000	33×42	1933
535	.75	Rappahannock River—Towles Point to Marsh Point.....	do.....	1:40,000	33×40	1932
536	.75	Rappahannock River—Marsh Point to Fredericksburg.....	do.....	1:20,000	32×41	1932
539	.75	Patuxent River.....	Maryland.....	1:40,000	32×38	1934
545	.75	Baltimore Harbor.....	do.....	1:15,000	30×40	1934
548	.75	Chester River.....	do.....	1:40,000	33×34	1934
549	.75	Approaches to Baltimore Harbor.....	do.....	1:40,000	33×39	1935
557	.75	Potomac River, entrance to Piney Point.....	Md. and Va.....	1:40,000	35×40	1930
558	.75	Potomac River, Piney Point to Lower Cedar Point.....	do.....	1:40,000	34×45	1932
559	.75	Potomac River, Lower Cedar Point to Mattawoman Creek.....	do.....	1:40,000	30×39	1929
560	.75	Potomac River, Mattawoman Creek to Georgetown.....	Md., Va., and D. C.....	1:40,000	29×40	1933
		Washington Harbor.....		1:20,000		
566	.75	Chesapeake Bay—Thomas Point to Sandy Point.....	Maryland.....	1:20,000	32×34	1933
567	.75	Wicomico River.....	do.....	1:20,000	34×44	1934
1216	.75	Sea Girt Light to Little Egg Inlet.....	New Jersey.....	1:80,000	33×39	1933
		Little Egg Inlet.....		1:40,000		
1217	.75	Little Egg Inlet to Hereford Inlet.....	New Jersey.....	1:80,000	32×41	1933
		Absecon Inlet.....		1:40,000		
1218	.75	Delaware Bay.....	N. J. and Del.....	1:80,000	31×38	1932
1219	.75	Cape May to Fenwick Island Light.....	do.....	1:80,000	32×38	1931
1220	.75	Fenwick Island Light to Chincoteague Inlet.....	Md. and Va.....	1:80,000	33×38	1935
1221	.75	Chincoteague Inlet to Hog Island Light.....	Virginia.....	1:80,000	31×41	1928
1222	.75	Chesapeake Bay Entrance.....	do.....	1:80,000	33×43	1930
1223	.75	Chesapeake Bay—Wolf Trap to Smith Point.....	Md. and Va.....	1:80,000	31×39	1932
1224	.75	Chesapeake Bay—Smith Point to Cove Point.....	do.....	1:80,000	30×41	1934
1225	.75	Chesapeake Bay—Cove Point to Sandy Point.....	Maryland.....	1:80,000	35×38	1933
1226	.75	Chesapeake Bay—Sandy Point to Head of Bay.....	do.....	1:80,000	34×38	1934
		Back Creek.....		1:20,000		
3243	.25	Coast of New Jersey (Inside) Manasquan to Cape May.....		1:80,000	21×29	1934



COAST AND HARBOR CHARTS OF THE ATLANTIC COAST – CONTINUED

# COAST AND HARBOR CHARTS OF THE ATLANTIC COAST—Continued

No.	Price	TITLE	State	Scale	Size of border (inches)	Date
VIRGINIA TO GEORGIA						
406	\$0.25	North Landing River.....	N. C. and Va.....	1:40,000	16×21	1916
409	.25	Mouths of Roanoke River.....	North Carolina.....	1:30,000	19×21	1929
420	.25	Beaufort Harbor.....	do.....	1:40,000	23×24	1933
421	.25	Core Sound and Straits.....	do.....	1:40,000	20×33	1932
422	.50	New River Inlet.....	do.....	1:10,000	27×31	1932
424	.50	Cape Fear River from entrance to Reeves Point.....	do.....	1:40,000	25×30	1933
425	.50	Cape Fear River from Reeves Point to Wilmington.....	do.....	1:40,000	25×31	1933
428	.25	Winyah Bay.....	South Carolina.....	1:40,000	20×29	1935
		Georgetown Harbor.....	do.....	1:10,000		
434	.25	North Edisto River.....	do.....	1:50,000	14×17	1924
435	.25	Bull and Combahee Rivers.....	do.....	1:40,000	15×22	1931
436	.50	St. Helena Sound.....	do.....	1:40,000	25×28	1931
437	.25	Whale Branch: Passage between Coosaw and Broad Rivers.....	do.....	1:40,000	18×25	1931
440	.75	Savannah River and Wassaw Sound.....	Georgia.....	1:40,000	31×40	1933
447	.25	St. Simon Sound, Brunswick Harbor, and Turtle River.....	do.....	1:40,000	19×34	1934
448	.25	St. Andrew Sound.....	do.....	1:40,000	24×29	1926
450	.75	Satilla River, Bailey Cut to Burnt Fort.....	do.....	1:20,000	30×43	1920
453	.50	Fernandina Entrance.....	Florida.....	1:20,000	25×30	1931
470	.75	Charleston Harbor.....	South Carolina.....	1:20,000	34×42	1933
		Entrance to Charleston Harbor.....	do.....	1:40,000		
537	.75	Pamlico River.....	North Carolina.....	1:40,000	30×41	1933
538	.75	Neuse River and upper part of Bay River.....	do.....	1:40,000	34×42	1921
571	.75	Port Royal Sound and inland passages.....	South Carolina.....	1:40,000	33×42	1933
573	.75	Ossabaw Sound and St. Catherines Sound.....	Georgia.....	1:40,000	31×40	1927
574	.75	Sapelo and Doboy Sounds.....	do.....	1:40,000	33×41	1927
575	.25	Altamaha Sound.....	do.....	1:40,000	19×31	1927
680	.75	Cooper River above Goose Creek.....	South Carolina.....	1:20,000	29×44	1931
681	.25	Wando River, Upper Part.....	do.....	1:20,000	14×26	1930
1227	.75	Cape Henry to Currituck Beach Light.....	Va. and N. C.....	1:80,000	32×41	1926
1228	.75	Albemarle Sound.....	North Carolina.....	1:80,000	31×42	1934
1229	.75	Currituck Beach to Wimble Shoals.....	do.....	1:80,000	32×46	1932
1231	.75	Pamlico Sound, western part.....	do.....	1:80,000	34×42	1934
1232	.75	Cape Hatteras, Wimble Shoals to Ocracoke Inlet.....	do.....	1:80,000	32×42	1928
1233	.75	Portsmouth Island to Beaufort, including Cape Lookout Shoals.....	do.....	1:80,000	34×42	1932
		Lookout Bight.....	do.....	1:20,000		
1234	.75	Cape Lookout to New River.....	North Carolina.....	1:80,000	31×39	1931
1235	.75	New River Inlet to Cape Fear.....	do.....	1:80,000	33×42	1935
1236	.75	Approaches to Cape Fear River.....	do.....	1:80,000	31×44	1933
1237	.75	Little River Inlet to Winyah Bay Entrance.....	South Carolina.....	1:80,000	33×41	1929
1238	.75	Winyah Bay Entrance to Isle of Palms.....	do.....	1:80,000	32×42	1928
1239	.75	Charleston Harbor and Approaches.....	do.....	1:80,000	32×43	1930
1240	.75	St. Helena Sound to Savannah River.....	S. C. and Ga.....	1:80,000	32×41	1933
1241	.75	Tybee Island to Doboy Sound.....	Georgia.....	1:80,000	33×40	1928
1242	.75	Doboy Sound to Fernandina.....	Georgia and Florida.....	1:80,000	33×41	1931

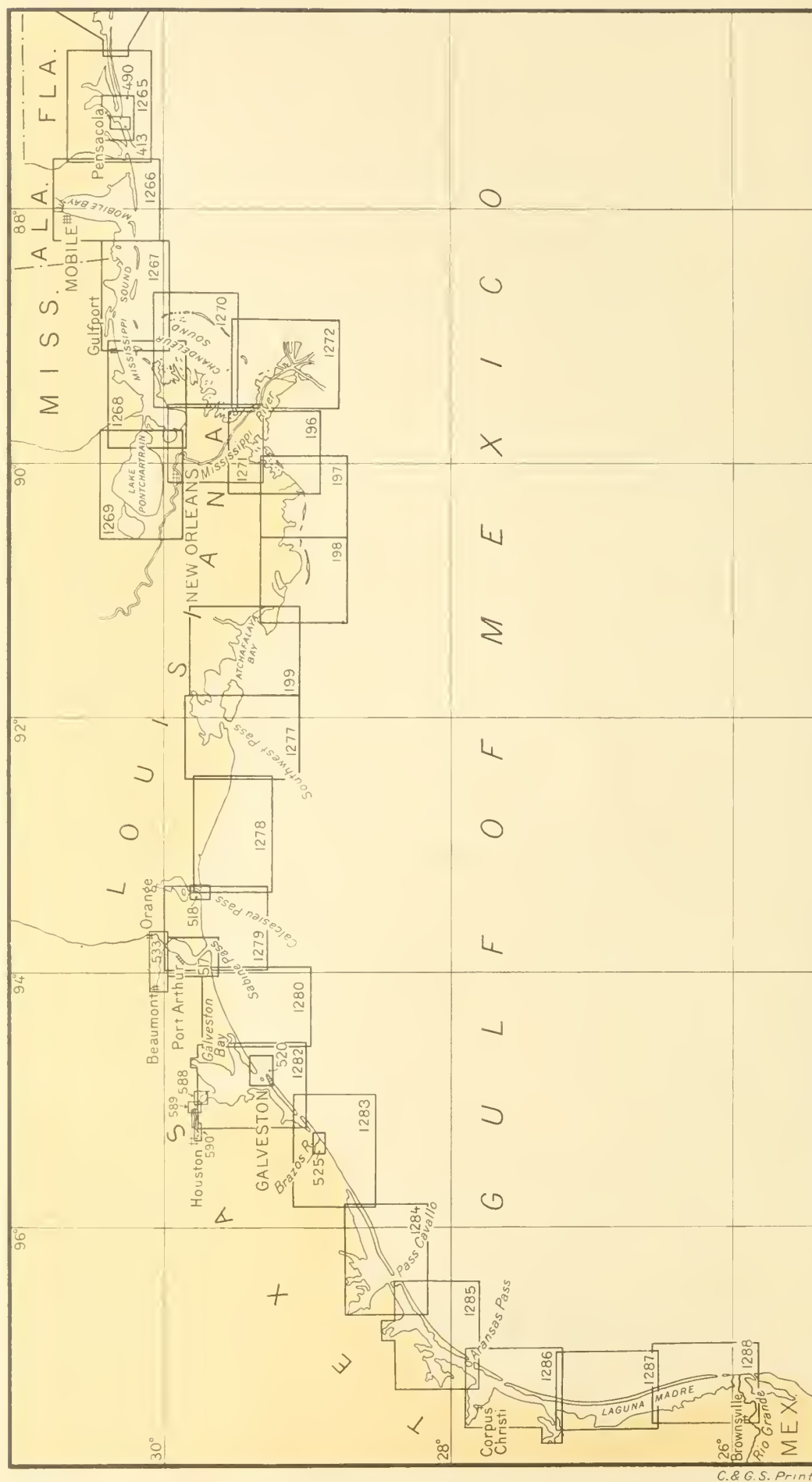


COAST AND HARBOR CHARTS OF THE ATLANTIC AND GULF COASTS



# COAST AND HARBOR CHARTS OF THE ATLANTIC AND GULF COASTS

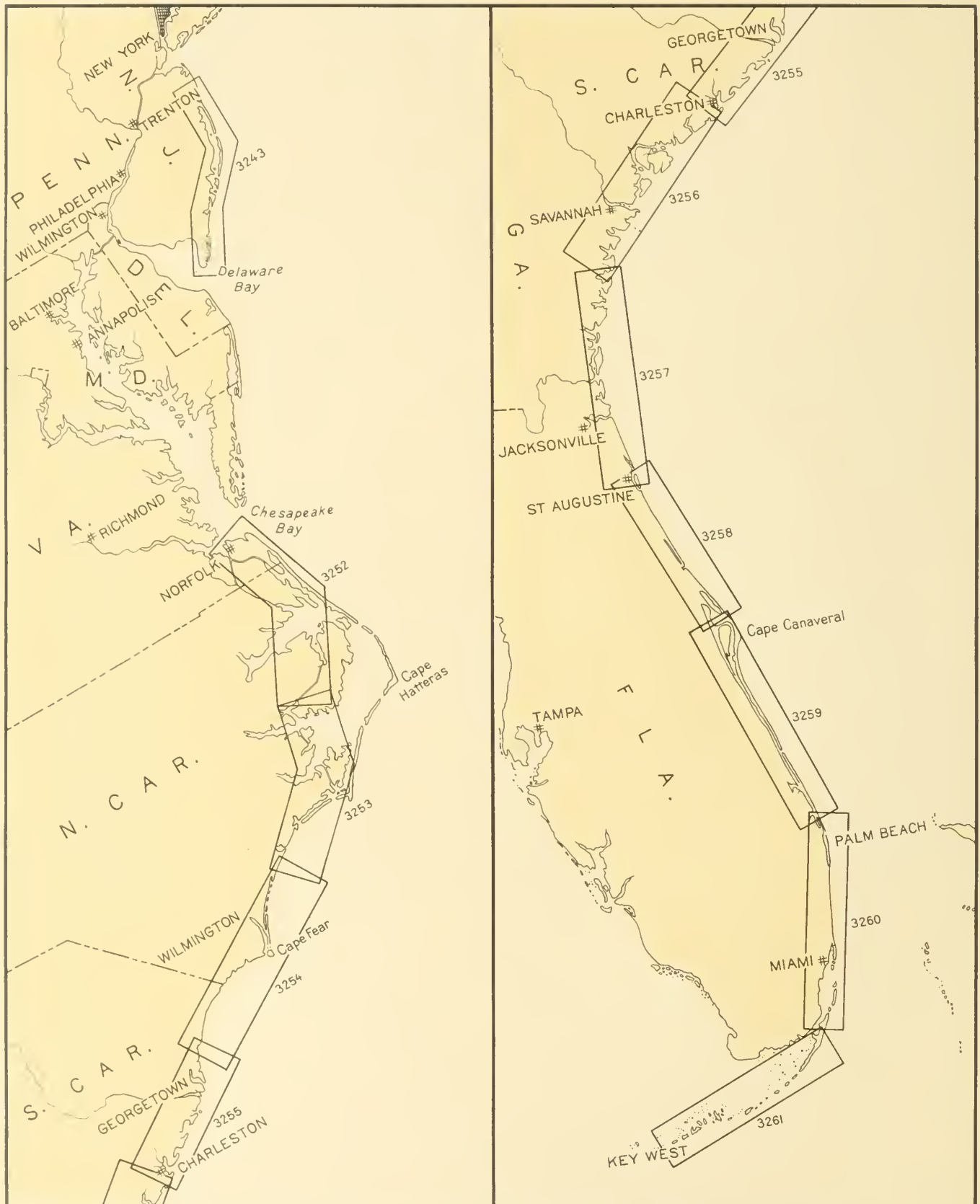
No.	Price	TITLE	State	Scale	Size of border (inches)	Date
GEORGIA AND FLORIDA COASTS						
178	\$0.75	St. Joseph Sound to Wall Creek, including Anclote Anchorage.....	Florida.....	1:80,000	34×40	1928
179	.75	Wall Creek to Cedar Keys.....	do.....	1:80,000	34×40	1931
180	.75	Cedar Keys to Deadman's Bay.....	do.....	1:80,000	33×43	1930
181	.75	Apalachee Bay.....	do.....	1:80,000	33×42	1885
182	.75	Apalachee Bay and St. George Sound.....	do.....	1:80,000	33×41	1935
183	.75	Apalachicola Bay to Cape San Blas.....	do.....	1:80,000	33×41	1933
184	.75	St. Joseph and St. Andrew Bays.....	do.....	1:80,000	33×42	1935
185	.75	Choctawhatchee Bay.....	do.....	1:80,000	33×42	1935
453	.50	Fernandina Entrance.....	Florida and Georgia.....	1:20,000	25×30	1931
458	.50	St. Johns River, Lake Monroe to Lake Washington.....	Florida.....	1:80,000	26×30	1909
473	.50	San Carlos Bay and Caloosahatchee River.....	do.....	1:40,000	28×35	1930
474	.25	Main entrance to Charlotte Harbor.....	do.....	1:40,000	22×27	1933
480	.25	Cedar Keys.....	do.....	1:50,000	19×26	1930
508	.50	St. Johns River, Palatka to Lake George.....	do.....	1:40,000	27×33	1927
509	.50	St. Johns River, Lake George to Lake Harney.....	do.....	1:40,000	32×33	1928
577	.75	Fernandina to Jacksonville.....	do.....	1:40,000	33×41	1935
583	.50	Miami Harbor and approaches.....	do.....	1:40,000	26×38	1934
584	.75	Key West Harbor and approaches.....	do.....	1:30,000	34×42	1933
585	.50	Dry Tortugas.....	do.....	1:30,000	28×34	1922
		Tortugas Harbor.....		1:10,000		
586	.75	Tampa Bay, Southern Part.....	Florida.....	1:40,000	30×42	1935
587	.75	Tampa Bay, Northern Part.....	do.....	1:40,000	32×36	1935
		St. Petersburg.....		1:20,000		
		Tampa.....		1:20,000		
682	.25	St. Johns River, from Jacksonville to Hibernia.....	Florida.....	1:40,000	21×32	1927
683	.25	St. Johns River, from Hibernia to Racy Point.....	do.....	1:40,000	21×32	1900
684	.25	St. Johns River, from Tocoi to San Mateo.....	do.....	1:40,000	21×29	1933
804	.75	Lake Okeechobee, Northern Half.....	do.....	1:50,000	29×43	1926
805	.75	Lake Okeechobee, Southern Half.....	do.....	1:50,000	29×43	1926
1243	.75	Amelia Island to St. Augustine.....	do.....	1:80,000	32×45	1934
		St. Augustine Harbor and Approaches.....		1:40,000		
1244	.75	St. Augustine Light to Ponce de Leon Inlet Light.....	Florida.....	1:80,000	32×45	1930
1245	.75	Ponce de Leon Inlet to Cape Canaveral.....	do.....	1:80,000	33×43	1931
1246	.75	Cape Canaveral to Bethel Shoal.....	do.....	1:80,000	33×43	1932
1247	.75	Bethel Shoal to Jupiter Inlet.....	do.....	1:80,000	33×45	1932
1248	.75	Jupiter Inlet to Fowey Rocks.....	do.....	1:80,000	33×38	1931
1249	.75	Fowey Rocks to Alligator Reef.....	do.....	1:80,000	33×45	1931
1250	.75	Florida Keys, Alligator Reef to Sombrero Key.....	do.....	1:80,000	34×41	1931
1251	.75	Florida Keys, Sombrero Key to Sand Key.....	do.....	1:80,000	33×42	1932
1252	.75	Sand Key to Rebecca Shoal.....	do.....	1:80,000	31×41	1933
1253	.75	East Cape to Mormon Key.....	do.....	1:80,000	33×42	1932
1254	.75	Chatham River to Clam Pass.....	do.....	1:80,000	32×42	1932
1255	.75	Estero Bay to Lemon Bay, including Charlotte Harbor.....	do.....	1:80,000	32×42	1929
1256	.75	Lemon Bay to Passage Key Inlet.....	do.....	1:80,000	32×44	1928
1257	.75	Tampa Bay and St. Joseph Sound.....	do.....	1:80,000	33×40	1932



COAST AND HARBOR CHARTS OF THE GULF COAST

# COAST AND HARBOR CHARTS OF THE GULF COAST

No.	Price	TITLE	State	Scale	Size of border (inches)	Date
PENSACOLA TO THE RIO GRANDE						
196	\$0.75	Barataria Bay and approaches.....	Louisiana.....	1:80,000	32×38	1908
197	.75	Barataria Bay to Terrebonne Bay.....	do.....	1:80,000	33×41	1932
198	.75	Caillou Bay and Ship Shoal.....	do.....	1:80,000	33×41	1932
199	.75	Point au Fer to Marsh Island.....	do.....	1:80,000	34×44	1934
413	.50	Pensacola Bay Entrance.....	Florida.....	1:10,000	27×36	1934
490	.75	Pensacola Bay.....	do.....	1:30,000	33×40	1934
517	.75	Sabine Pass and Lake.....	Louisiana and Texas.....	1:40,000	25×44	1934
518	.25	Calcasieu Pass.....	Louisiana.....	1:20,000	14×21	1925
520	.25	Galveston Entrance.....	Texas.....	1:40,000	16×21	1934
525	.75	Brazos River Entrance.....	do.....	1:10,000	28×39	1934
533	.50	Sabine and Neches Rivers.....	do.....	1:40,000	17×42	1933
588	.75	Houston Ship Channel, Atkinson Island to Alexander Island.....	do.....	1:10,000	30×41	1933
589	.75	Houston Ship Channel, Alexander Island to Carpenter Bayou.....	do.....	1:10,000	32×34	1933
590	.75	Houston Ship Channel, Carpenter Bayou to Houston.....	do.....	1:10,000	32×44	1933
1265	.75	Pensacola Bay and approaches.....	Florida.....	1:80,000	31×42	1934
1266	.75	Mobile Bay and Entrance.....	Alabama.....	1:80,000	32×41	1934
		Mobile Ship Channel, northern end.....	do.....	1:25,000		
1267	.75	Mississippi Sound and approaches, Dauphin Island to Cat Island.....	Ala. and Miss.....	1:80,000	27×41	1933
1268	.75	Lake Borgne and approaches, Cat Island to Point Aux Herbes.....	Miss. and La.....	1:80,000	30×40	1933
1269	.75	Lake Pontchartrain and Maurepas.....	Louisiana.....	1:80,000	30×42	1934
1270	.75	Chandeleur and Breton Sounds.....	do.....	1:80,000	32×43	1924
1271	.75	Mississippi River, Buras to New Orleans.....	do.....	1:80,000	30×37	1925
1272	.75	Mississippi River Delta.....	do.....	1:80,000	33×42	1934
1277	.75	Vermilion Bay and approaches.....	do.....	1:80,000	33×44	1921
1278	.75	Constance Bayou to Calcasieu Pass.....	do.....	1:80,000	33×43	1926
1279	.75	Calcasieu Pass to Sabine Pass.....	Louisiana and Texas.....	1:80,000	33×42	1934
1280	.75	Sabine Bank to East Bay, including Heald Bank.....	Texas.....	1:80,000	31×42	1925
1282	.75	Galveston Bay and approaches.....	do.....	1:80,000	32×43	1934
1283	.75	San Luis Pass to Matagorda Bay.....	do.....	1:80,000	32×44	1933
1284	.75	Matagorda Bay and approaches.....	do.....	1:80,000	32×42	1922
1285	.75	Matagorda Light to Aransas Pass.....	do.....	1:80,000	33×42	1924
1286	.75	Aransas Pass to Baffin Bay.....	do.....	1:80,000	32×39	1935
		Aransas Pass.....	do.....	1:40,000		
1287	.75	Northern part of Laguna Madre.....	do.....	1:80,000	32×41	1923
1288	.75	Southern part of Laguna Madre.....	do.....	1:80,000	32×41	1933



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INTRACOASTAL WATERWAYS (INSIDE ROUTE) CHARTS — NORFOLK TO KEY WEST



# CHARTS COVERING THE INTRACOASTAL WATERWAYS (INSIDE ROUTE)—NEW YORK TO KEY WEST

See Intracoastal Waterways (Inside Route) Pilots, listed on page 48

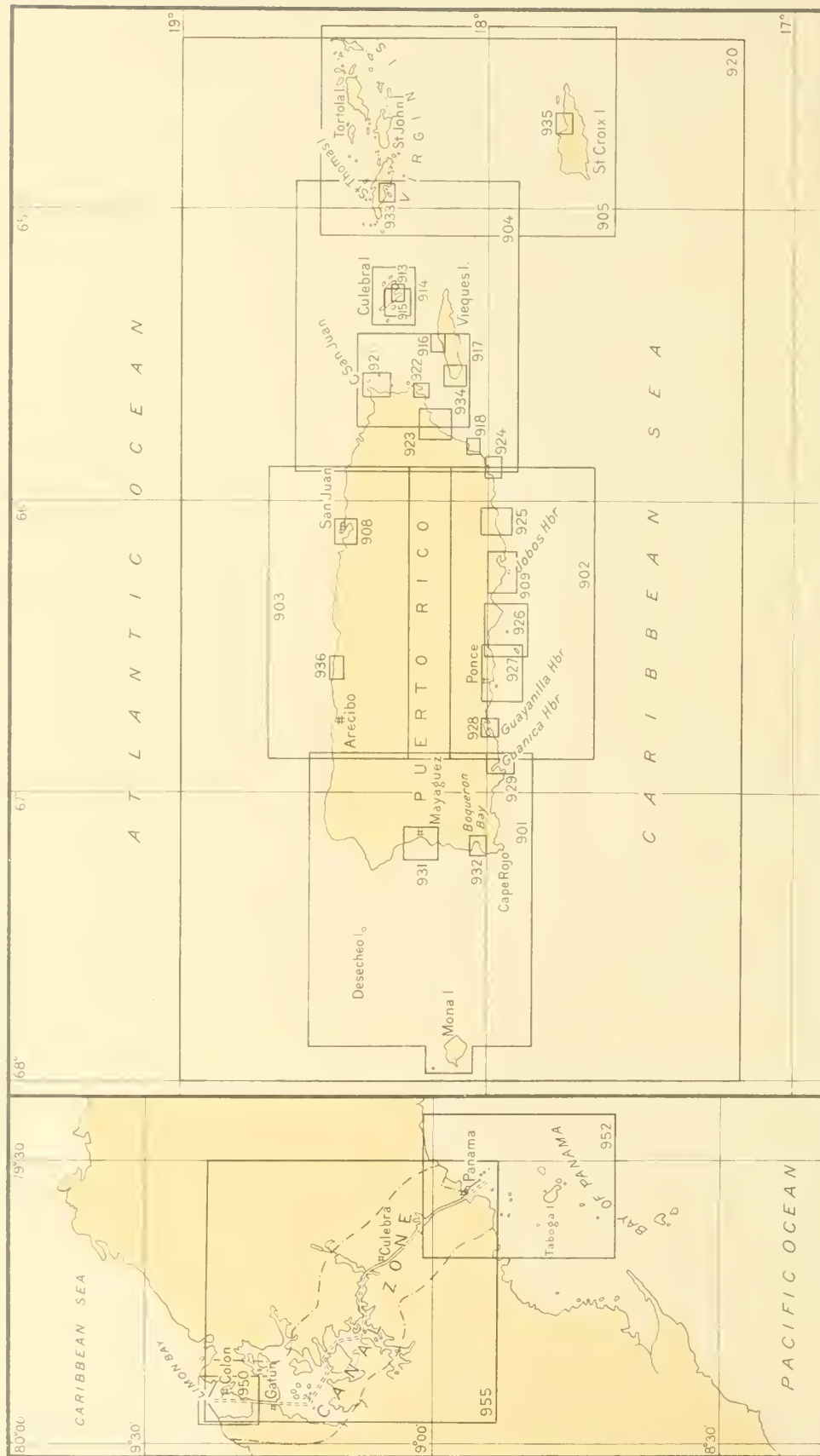
## NEW YORK TO NORFOLK

No.	Price	TITLE	Scale	Size of border (inches)	Date
The following general, coast, and harbor charts, listed with others on pp. 3, 9, and 11, are relisted here as those best suited for this section of the route. For diagrams see pp. 2, 8, and 10.					
369	\$0.75	New York Harbor, N. Y. and N. J. ....	1:40,000	34×44	1935
375	.50	Raritan River, N. J. ....	1:20,000	20×34	1934
296	.50	Delaware River—Philadelphia to Trenton, N. J. and Pa. ....	1:40,000	28×33	1933
295	.75	Delaware River—Wilmington to Philadelphia, N. J. and Pa. ....	1:40,000	32×43	1935
294	.75	Delaware River—Bomhay Hook to Wilmington, N. J. and Del. ....	1:40,000	29×45	1934
3243	.25	Coast of New Jersey (Inside) Manasquan to Cape May. ....	1:80,000	24×29	1934
1222	.75	Chesapeake Bay Entrance, Va. ....	1:80,000	33×43	1930
1223	.75	Chesapeake Bay—Wolf Trap to Smith Point, Md. and Va. ....	1:80,000	31×39	1932
1224	.75	Chesapeake Bay—Smith Point to Cove Point, Md. and Va. ....	1:80,000	30×41	1934
1225	.75	Chesapeake Bay—Cove Point to Sandy Point, Md. ....	1:80,000	35×38	1931
1226	.75	Chesapeake Bay—Sandy Point to Head of Bay, Md. ....	1:80,000	34×38	1934
77	.75	Chesapeake Bay, northern part. ....	*1:200,000	32×35	1931
78	.75	Chesapeake Bay, southern part. ....	*1:200,000	31×32	1930

\* Scale approximate.

## NORFOLK TO KEY WEST

No.	Price	TITLE	Scale	Size of border (inches)	Date
The following series of 10 intracoastal waterways (inside route) charts show the route in strips of convenient widths, with 3 strips to each sheet. Each chart can be used as a whole, or the strips cut out and used in the same manner as automobile road maps.					
3252	\$0.25	Norfolk, Va., to Pungo River, N. C. ....	1:80,000	22×34	1931
3253	.25	Pungo River, N. C., to Topsail Sound, N. C. ....	1:80,000	22×34	1932
3254	.25	Topsail Sound, N. C., to Midway Inlet, S. C. ....	1:80,000	22×34	1933
3255	.25	Midway Inlet, S. C., to Charleston Harbor, S. C. ....	1:80,000 1:400,000	22×34	1934
3256	.25	Charleston Harbor, S. C., to Sapelo Sound, Ga. ....	1:80,000	22×34	1933
3257	.25	Sapelo Sound, Ga., to St. Augustine, Fla. ....	1:80,000	22×34	1934
3258	.25	St. Augustine, Fla., to Titusville, Fla. ....	1:80,000	19×34	1934
3259	.25	Titusville, Fla., to Jupiter Inlet, Fla. ....	1:80,000	22×34	1934
3260	.25	Jupiter Inlet, Fla., to Barnes Sound, Fla. ....	1:80,000	22×34	1933
3261	.25	Barnes Sound, Fla., to Key West, Fla. ....	1:80,000	22×34	1932
	2.50	Price, per set of 10, complete.			
Charts on a larger scale than the above are published for some sections of the route. Of these, the following listed on pp. 11, 13, and 15 are relisted here as especially valuable to supplement the special series. For diagrams see pp. 10, 12, and 14.					
452	.75	Norfolk Harbor and Elizabeth River, Va. ....	1:20,000	33×41	1935
421	.25	Core Sound and Straits, N. C. ....	1:40,000	20×33	1932
538	.75	Neuse River and upper part of Bay River, N. C. ....	1:40,000	34×42	1921
420	.25	Beaufort Harbor, N. C. ....	1:40,000	23×24	1933
437	.25	Whale Branch; passage between Coosaw and Broad Rivers, S. C. ....	1:40,000	18×25	1931
440	.75	Savannah River and Wassaw Sound, Ga. ....	1:40,000	31×40	1933
577	.75	Fernandina to Jacksonville, Fla. ....	1:40,000	33×41	1934
583	.50	Miami Harbor and approaches, Fla. ....	1:40,000	26×38	1931
584	.75	Key West Harbor and approaches, Fla. ....	1:30,000	34×42	1933

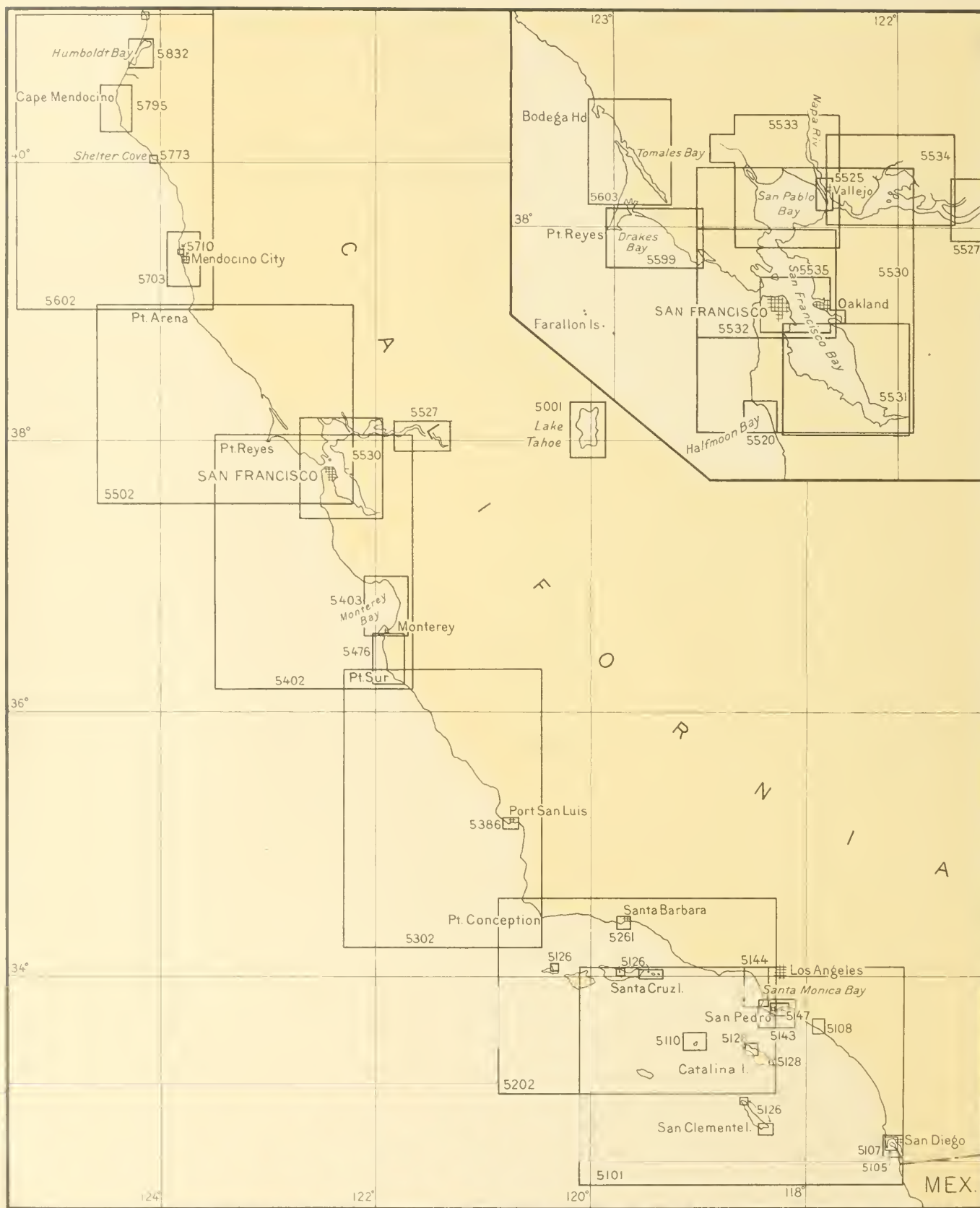


CHARTS OF PUERTO RICO, VIRGIN ISLANDS AND THE CANAL ZONE

## CHARTS OF PUERTO RICO, VIRGIN ISLANDS, AND THE CANAL ZONE

No.	Price	TITLE	Island	Scale	Size of border (inches)	Date
<b>GENERAL CHART</b>						
920	\$0.75	Puerto Rico and Virgin Islands (West Indies).....		*1:325,000	26×47	1931
<b>COAST AND HARBOR CHARTS OF PUERTO RICO AND VIRGIN ISLANDS</b>						
901	.75	West Coast of Puerto Rico.....		1:100,000	33×43	1910
902	.75	South Coast of Puerto Rico.....		1:100,000	31×43	1929
903	.75	North Coast of Puerto Rico.....		1:100,000	31×42	1930
		Porto Arecibo.....		1:20,000		
904	.75	Virgin Passage and Vieques Sound.....		1:100,000	31×42	1930
905	.75	Virgin Islands, Virgin Gorda to St. Thomas and St. Croix.....		1:100,000	32×43	1934
908	.75	San Juan Harbor.....	Puerto Rico.....	1:10,000	33×39	1933
909	.50	Jabos Harbor.....	do.....	1:20,000	29×33	1909
913	.75	Great Harbor.....	Culebra.....	1:6,500	31×38	1923
914	.75	Culebra Island and approaches.....		1:20,000	32×43	1924
915	.50	Target Bay and vicinity.....	Culebra.....	1:10,000	25×37	1923
916	.25	Port Mulas and approaches.....	Vieques.....	1:10,000	23×26	1930
917	.75	San Juan Passage to Port Humacao and western part of Vieques Island.....		1:40,000	34×41	1930
918	.25	Port Yabucoa.....	Puerto Rico.....	1:10,000	19×20	1910
921	.75	Fajardo Harbor and approaches.....	do.....	1:10,000	32×41	1930
922	.25	Ensenada Honda.....	do.....	1:10,000	24×25	1934
923	.25	Point Lima to Batata Cay.....	do.....	1:20,000	22×24	1929
924	.25	Port Maunabo.....	do.....	1:20,000	19×20	1929
925	.25	Port Arroyo.....	do.....	1:20,000	20×26	1929
926	.75	Point Petrona to Muertos Island.....	do.....	1:20,000	33×38	1929
927	.75	Ponce Harbor and approaches.....	do.....	1:20,000	33×39	1933
928	.75	Guayanilla Harbor.....	do.....	1:10,000	34×36	1933
929	.75	Guanica Harbor.....	do.....	1:10,000	31×36	1921
931	.75	Mayaguez Bay and approaches.....	do.....	1:15,000	31×35	1933
932	.25	Boqueron Bay.....	do.....	1:10,000	23×24	1905
933	.25	Harbor of St. Thomas.....	West Indies.....	1:10,000	23×28	1928
934	.25	West Coast of Vieques Island.....		1:10,000	23×24	1929
935	.50	Christiansted Harbor.....	Saint Croix.....	1:10,000	25×32	1929
936	.50	Vicinity of Point Palmas Altas.....	Puerto Rico.....	1:10,000	26×36	1929
<b>CHARTS OF THE CANAL ZONE</b>						
950	.75	Port of Cristobal, Panama Canal.....		1:15,000	28×35	1934
952	.75	Approaches to Panama Canal, Pacific coast.....		1:40,000	28×37	1934
955	.75	Panama Canal.....		1:60,000	34×39	1934
		Miraflores Lake.....		1:20,000		

\* Scale approximate.



GENERAL, COAST, AND HARBOR CHARTS OF THE PACIFIC COAST

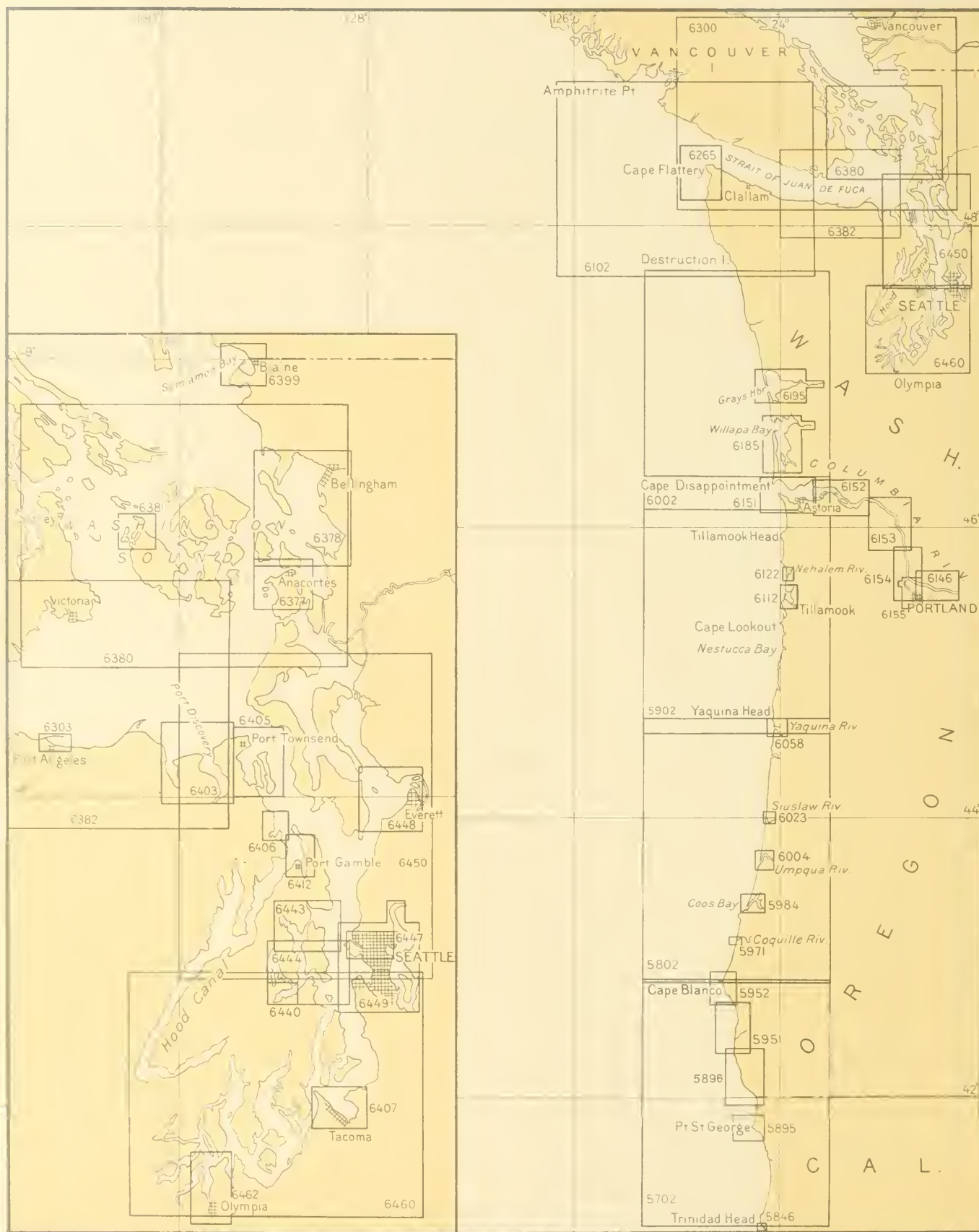


# GENERAL, COAST, AND HARBOR CHARTS OF THE PACIFIC COAST

[Sailing Charts listed on page 27]

No.	Price	TITLE	State	Scale	Size of border (inches)	Date
SAN DIEGO TO HUMBOLDT BAY						
5101	\$0.75	San Diego to Santa Rosa Island.....	California	*1:235, 100	34×50	1933
5105	.75	San Diego Bay.....	do.	1:10, 000	34×44	1934
5107	.75	San Diego Bay.....	do.	1:20, 000	33×37	1934
5108	.75	Newport Bay.....	do.	1:10, 000	28×37	1935
5110	.75	Santa Barbara Island.....	do.	1:20, 000	30×36	1935
5126	.50	Harbors, Santa Barbara Islands.....	do.		27×31	1927
		SE. Anchorage, San Clemente Island.....		1:30, 000		
		NW. Harbor, San Clemente Island.....		1:20, 000		
		Anacapa Island and east end of Santa Cruz Island.....		1:30, 000		
		Prisoners Harbor, Santa Cruz Island.....		1:20, 000		
		Cuyler's Harbor, San Miguel Island.....		1:20, 000		
5128	.25	Catalina Harbor, Isthmus Cove and Dakin Cove.....	California	1:10, 000	22×27	1929
5143	.50	Los Angeles Harbor and vicinity.....	do.	1:40, 000	24×31	1932
5144	.50	Santa Monica Bay.....	do.	1:40, 000	22×34	1930
5147	.75	Los Angeles and Long Beach Harbors.....	do.	1:12, 000	33×44	1934
5202	.75	Point Fermin to Point Conception.....	do.	*1:220, 000	31×44	1932
5261	.25	Santa Barbara.....	do.	1:20, 000	20×27	1933
5302	.75	Point Conception to Point Sur.....	do.	*1:216, 000	31×44	1914
5386	.25	San Luis Obispo Bay and approaches.....	do.	1:20, 000	17×26	1923
5402	.75	Point Sur to San Francisco.....	do.	*1:210, 000	32×40	1934
5403	.75	Monterey Bay.....	do.	1:50, 000	29×38	1935
5476	.75	Pfeiffer Point to Cypress Point.....	do.	1:40, 000	26×42	1935
5502	.75	San Francisco to Point Arena.....	do.	*1:208, 000	32×40	1934
5520	.25	Halfmoon Bay.....	do.	1:20, 000	18×20	1935
5525	.50	Mare Island Strait.....	do.	1:10, 000	23×35	1935
5527	.50	San Joaquin River.....	do.	1:40, 000	20×46	1933
5530	.75	San Francisco Bay.....	do.	1:80, 000	34×41	1934
5531	.75	San Francisco Bay, southern part.....	do.	1:40, 000	33×41	1934
5532	.75	San Francisco Entrance.....	do.	1:40, 000	33×41	1935
5533	.75	San Pablo Bay.....	do.	1:40, 000	33×41	1934
5534	.75	Suisun Bay.....	do.	1:40, 000	28×41	1934
5535	.75	San Francisco Bay, Candlestick Point to Angel Island, continuation to Oakland Airport.....	do.	1:20, 000	34×44	1935
5599	.25	Drakes Bay.....	do.	1:40, 000	19×30	1934
5602	.75	Point Arena to Trinidad Head.....	do.	*1:203, 000	32×46	1931
		Rockport Landing.....		1:10, 000		
5603	.75	Bodega and Tomales Bays.....	California	1:30, 000	33×42	1934
5703	.75	Greenwood to Fort Bragg.....	do.	1:40, 000	27×43	1935
		Russian Gulch Landing.....		1:10, 000		
		Fort Bragg Landing.....		1:10, 000		
		Greenwood Landing.....		1:10, 000		
		Approaches to Albion.....		1:10, 000		
5710	.25	Caspar Anchorage.....	California	1:10, 000	19×27	1931
		Mendocino Bay.....		1:10, 000		
5773	.25	Shelter Cove.....	California	1:15, 000	12×14	1913
5795	.50	Cape Mendocino and vicinity.....	do.	1:40, 000	25×38	1934
5832	.50	Humboldt Bay.....	do.	1:30, 000	25×30	1932
INLAND CHART						
5001	.75	Lake Tahoe.....	Calif.-Nev.	1:40, 000	28×43	1923

\* Scale approximate.

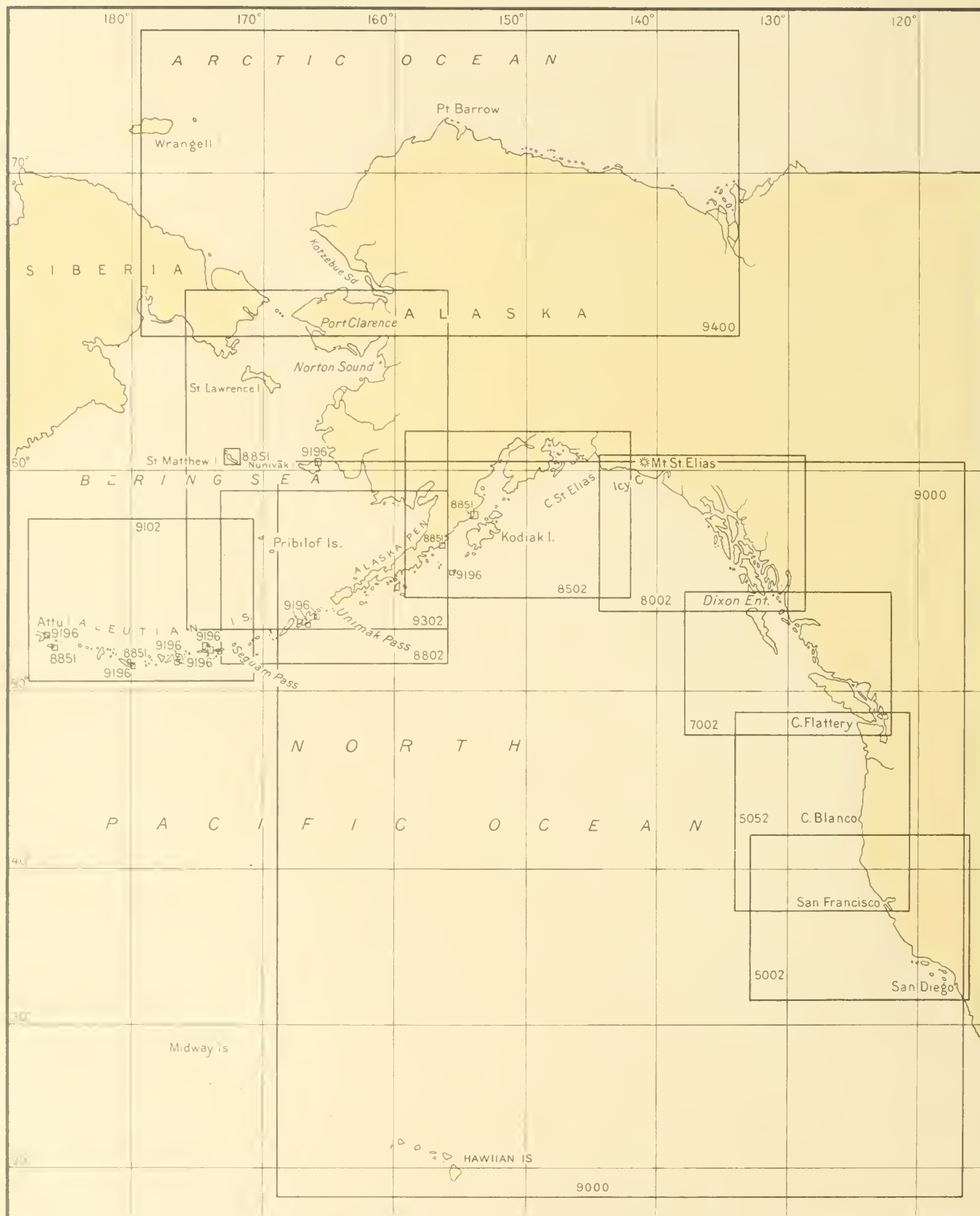


GENERAL, COAST AND HARBOR CHARTS OF THE PACIFIC COAST - CONTINUED

# GENERAL, COAST, AND HARBOR CHARTS OF THE PACIFIC COAST—Continued

No.	Price	TITLE	State	Scale	Size of border (inches)	Date
TRINIDAD HEAD TO VANCOUVER, B. C.						
5702	\$0.75	Trinidad Head to Cape Blanco.....	Calif. and Oreg.....	*1:197,000	31×41	1930
5802	.75	Cape Blanco to Yaquina Head.....	Oregon.....	*1:191,000	31×43	1930
5846	.25	Trinidad Harbor.....	California.....	1:15,000	14×18	1931
5895	.25	St. George Reef and Crescent City.....	do.....	1:40,000	24×25	1931
5896	.75	Pyramid Point to Cape Sebastian.....	Oreg. and Calif.....	1:40,000	33×43	1934
5902	.75	Yaquina Head to Columbia River.....	Oreg. and Wash.....	*1:185,000	31×41	1934
5951	.75	Cape Sebastian to Humbug Mountain.....	Oregon.....	1:40,000	29×41	1931
5952	.25	Cape Blanco and Reef.....	do.....	1:40,000	21×27	1925
5971	.25	Coquille River entrance.....	do.....	1:10,000	19×33	1935
5984	.75	Coos Bay.....	do.....	1:20,000	29×38	1934
6002	.75	Columbia River to Destruction Island.....	Oreg. and Wash.....	*1:181,000	32×39	1934
6004	.25	Umpqua River, entrance bar to Reedsport.....	Oregon.....	1:20,000	24×28	1935
6023	.25	Siuslaw River.....	do.....	1:20,000	17×18	1934
6058	.50	Yaquina River and approaches.....	do.....	1:20,000	26×30	1932
6102	.75	Approaches to Strait of Juan de Fuca, Destruction Island to Amphitrite Point.....	Wash. and B. C.....	*1:176,000	33×43	1935
6112	.50	Tillamook Bay.....	Oregon.....	1:20,000	26×32	1933
6122	.25	Nehalem River.....	do.....	1:20,000	16×19	1933
6146	.50	Columbia River—Vancouver to Reed Island.....	Oreg. and Wash.....	1:40,000	23×34	1921
6151	.75	Columbia River—Entrance to Harrington Point.....	do.....	1:40,000	25×41	1934
6152	.75	Columbia River—Harrington Point to Crims Island.....	do.....	1:40,000	25×43	1935
6153	.75	Columbia River—Crims Island to Saint Helens.....	do.....	1:40,000	33×39	1935
6154	.50	Columbia River—Saint Helens to Willamette River, including Vancouver and Portland.....	do.....	1:40,000	20×41	1935
6155	.75	Port of Portland, including Vancouver.....	do.....	1:20,000	25×44	1935
		Multnomah Channel, southern part.....		1:10,000		
6185	.75	Willapa Bay.....	Washington.....	1:40,000	30×43	1934
6195	.50	Grays Harbor and continuation of Chehalis River.....	do.....	1:40,000	25×39	1934
6205	.75	Cape Flattery.....	do.....	1:40,000	30×40	1934
6300	.75	Georgia Strait and Strait of Juan de Fuca.....	Wash. and B. C.....	1:200,000	28×42	1934
6303	.25	Port Angeles, Strait of Juan de Fuca.....	Washington.....	1:10,000	19×31	1934
6377	.25	Anacortes Harbor, Washington Sound.....	do.....	1:40,000	13×16	1929
6378	.50	Bellingham Bay.....	do.....	1:40,000	26×31	1928
6380	.75	Strait of Juan de Fuca to Georgia Strait.....	Wash. and B. C.....	1:80,000	34×42	1928
6381	.75	Roche Harbor and approaches.....	Washington.....	1:10,000	33×37	1914
6382	.75	Strait of Juan de Fuca, Eastern Part.....	Wash. and B. C.....	1:80,000	32×44	1935
6399	.25	Semiamoo Bay, Georgia Strait.....	Washington.....	1:30,000	14×16	1925
6403	.25	Port Discovery and Washington Harbor.....	do.....	1:40,000	19×22	1929
6405	.50	Port Townsend, Admiralty Inlet.....	do.....	1:20,000	26×36	1934
6406	.25	Port Ludlow.....	do.....	1:10,000	23×26	1928
6407	.50	Tacoma Harbor.....	do.....	1:15,000	26×36	1933
6412	.25	Port Gamble, Hood Canal.....	do.....	1:20,000	16×23	1928
6440	.25	Sinclair Inlet.....	do.....	1:10,000	23×32	1931
6443	.50	Port Orchard, northern part, Puget Sound.....	do.....	1:20,000	27×34	1919
6444	.75	Port Orchard, southern part, Puget Sound.....	do.....	1:20,000	33×44	1935
6447	.75	Lake Washington Ship Canal, Puget Sound to Lake Washington.....	do.....	1:10,000	29×44	1934
6448	.25	Everett Harbor and approaches.....	do.....	1:40,000	17×18	1935
6449	.75	Seattle Harbor and Lake Washington.....	do.....	1:25,000	32×40	1934
6450	.75	Admiralty Inlet, and Puget Sound to Seattle.....	do.....	1:80,000	33×42	1935
6460	.75	Puget Sound, Seattle to Olympia.....	do.....	1:80,000	32×39	1924
6462	.50	Olympia Harbor and Budd Inlet.....	do.....	1:20,000	20×37	1935

\* Scale approximate.



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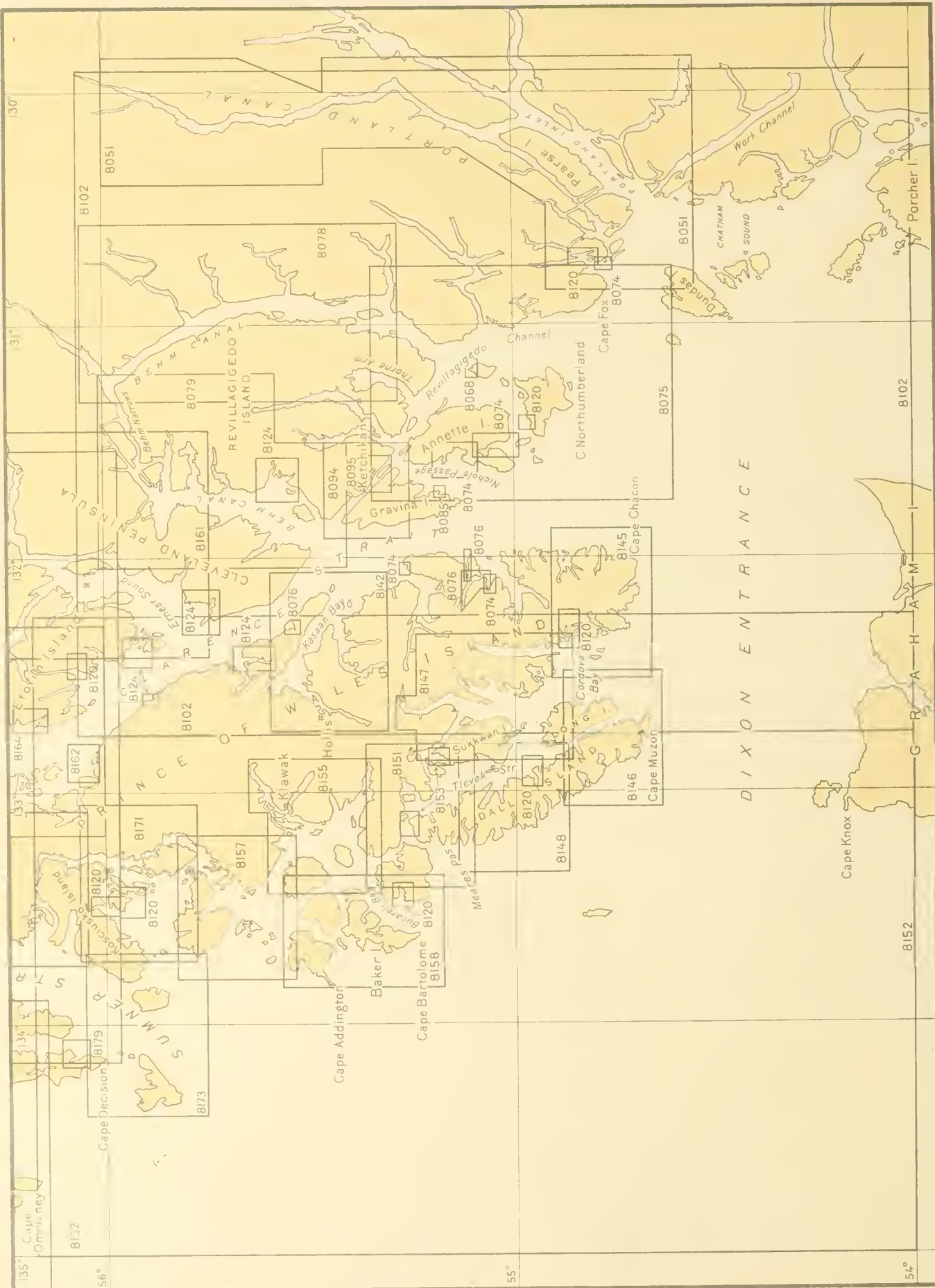
# SAILING CHARTS, PACIFIC COAST, AND SAILING AND HARBOR CHARTS, ALASKA



## SAILING CHARTS, PACIFIC COAST, AND SAILING AND HARBOR CHARTS, ALASKA

No.	Price	Title	Scale	Size of border (inches)	Date
<b>SAILING CHARTS</b>					
5002	\$0.75	San Diego to Point St. George.....	*1:1,499,000	32×41	1932
5052	.75	San Francisco to Cape Flattery.....	*1:1,301,000	33×38	1932
7002	.75	Cape Flattery to Dixon Entrance.....	*1:1,198,000	29×40	1934
8002	.75	Dixon Entrance to Cape St. Elias.....	*1:1,000,000	31×40	1929
8502	.75	Cape St. Elias to Shumagin Islands.....	*1:1,000,000	33×42	1934
8802	.75	Alaska Peninsula and Aleutian Islands to Seguam Pass.....	*1:999,000	33×42	1935
9000	.75	San Diego to Bering Sea and Hawaiian Islands.....	*1:4,500,000	34×37	1934
9102	.75	Aleutian Islands, Amukta Island to Attu Island.....	*1:999,000	32×43	1933
9302	.75	Bering Sea, eastern part.....	*1:1,600,000	30×38	1928
9400	.75	Arctic Coast of Alaska.....	*1:1,600,000	26×44	1928
<b>HARBOR CHARTS, ALASKA</b>					
8851	.50	Harbors and anchorages, southwestern Alaska.....		27×28	1932
		Kukak Bay, Alaska Peninsula.....	1:100,000		
		Port Wrangell, Alaska Peninsula.....	1:110,000		
		Kashega Bay, Unalaska Island (see page 34).....	1:25,000		
		Mist Harbor, Nagai Island (see page 34).....	1:6,100		
		Sandy Cove, Little Koniuj Island (see page 34).....	1:24,200		
		Dolgoi Harbor, Dolgoi Island (see page 34).....	1:40,000		
		Kirilof Bay, Amchitka Island.....	1:28,000		
		McDonald Bay, Agattu Island.....	1:75,000		
		St. Matthew Island, Bering Sea.....	1:156,000		
9196	.50	Anchorage and harbors, Aleutian Islands.....		27×32	1931
		Southwest Anchorage, Chirikof Island (see page 34).....	1:53,600		
		Cape Etolin Anchorage, Nunivak Island.....	1:31,000		
		English Bay, Unalaska Island.....	1:20,000		
		Kuliliak Bay, Unalaska Island.....	1:43,500		
		Chernofski Harbor, Unalaska Island.....	1:36,000		
		Sviechnikof Harbor, Amliia Island.....	1:52,000		
		Nazan Bay, Atka Island.....	1:60,000		
		Korovin Bay, Atka Island.....	1:194,000		
		Bay of Islands, North Island Anchorage, Adak Island.....	1:20,000		
		Bay of Waterfalls, Adak Island.....	1:95,000		
		Constantine Harbor, Amchitka Island.....	1:43,000		
		Chichagof Harbor, Attu Island.....	1:19,000		

\* Scale approximate.



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# GENERAL CHARTS AND HARBOR CHARTS, ALASKA

# GENERAL CHARTS AND HARBOR CHARTS, ALASKA

No.	Price	TITLE	Scale	Size of border (inches)	Date
DIXON ENTRANCE TO SUMNER STRAIT					
8051	\$0.75	Portland Canal.....	*1:100,000	25×40	1911
8074	.75	Harbors in Dixon Entrance and Clarence Strait.....		34×36	1931
		Port Tongass and Chasina Anchorage.....	1:10,000		
		Niblack Anchorage and Port Chester.....	1:20,000		
		Tamgas Harbor.....	1:40,000		
8075	.75	Revillagigedo Channel.....	1:80,000	33×42	1917
8076	.25	Harbors in Clarence Strait.....		21×25	1922
		North Arm of Moira Sound.....	1:20,000		
		Port Johnson and Dolomi Bay.....	1:20,000		
		Lyman Anchorage.....	1:10,000		
8078	.75	Behm Canal, eastern part.....	*1:179,000	25×43	1934
8079	.75	Behm Canal, western part.....	*1:179,000	27×35	1933
		Yes Bay.....	1:40,000		
8085	.25	Seal Cove, Nichols Passage.....	1:5,000	17×22	1935
8094	.75	Tongass Narrows.....	1:30,000	32×36	1931
8095	.75	Ketchikan Harbor.....	1:10,000	31×36	1934
8102	.75	Hecate Strait to Etolin Island, including Behm and Portland Canals.....	*1:229,000	33×41	1935
8120	.75	Harbors in southeastern Alaska.....		27×43	1920
		Ryus Bay, Duke Island.....	1:10,000		
		Marble Passage, southern part and approaches, Davidson Inlet.....	1:20,000		
		Token Bay Entrance, Davidson Inlet.....	1:20,000		
		Hunter Bay and approaches, Prince of Wales Island.....	1:20,000		
		Burnett Inlet, Etolin Island.....	1:20,000		
		Port Santa Cruz, Sueniez Island.....	1:20,000		
		Rose Inlet, Dall Island.....	1:20,000		
		Nakat Harbor, Naket Inlet.....	1:20,000		
8124	.50	Harbor charts, Clarence Strait and Behm Canal.....		28×28	1932
		Naha, Tolstoi, and Union Bays.....	1:40,000		
		Ratz Harbor, Prince of Wales Island.....	1:10,000		
		Dewey Anchorage, Etolin Island.....	1:20,000		
8142	.75	Kasaan Bay.....	1:40,000	32×44	1927
8145	.75	Kendrick Bay to Shipwreck Point, Prince of Wales Island.....	1:40,000	31×41	1923
8146	.75	Southern part of Dall Island.....	1:40,000	28×38	1932
8147	.75	North end of Cordova Bay and Hetta Inlet.....	1:40,000	33×41	1931
8148	.75	Central part of Dall Island.....	1:40,000	31×36	1930
8151	.75	Northern part of Tlevak Strait and Ulloa Channel.....	1:40,000	30×41	1929
8152	.75	Dixon Entrance to Chatham Strait.....	*1:229,000	31×43	1933
8153	.25	Tlevak and Sukkwan Narrows.....	1:20,000	12×21	1932
8155	.75	Ulloa Channel to San Christoval Channel.....	1:40,000	30×36	1932
		Continuation to the head of Big Salt Lake.....	1:40,000		
		North Entrance.....	1:10,000		
8157	.75	San Christoval Channel to Cape Lynch.....	1:40,000	32×40	1929
8158	.75	Baker, Noyes, and Lulu Islands and adjacent waters.....	1:40,000	32×43	1923
8161	.75	Ernest Sound, Eastern Passage and Zimovia Strait.....	1:80,000	31×44	1924
8171	.75	Davidson Inlet and Sea Otter Sound.....	1:40,000	31×41	1932
8173	.75	Southern Entrances to Sumner Strait.....	1:40,000	31×45	1929

\* Scale approximate.

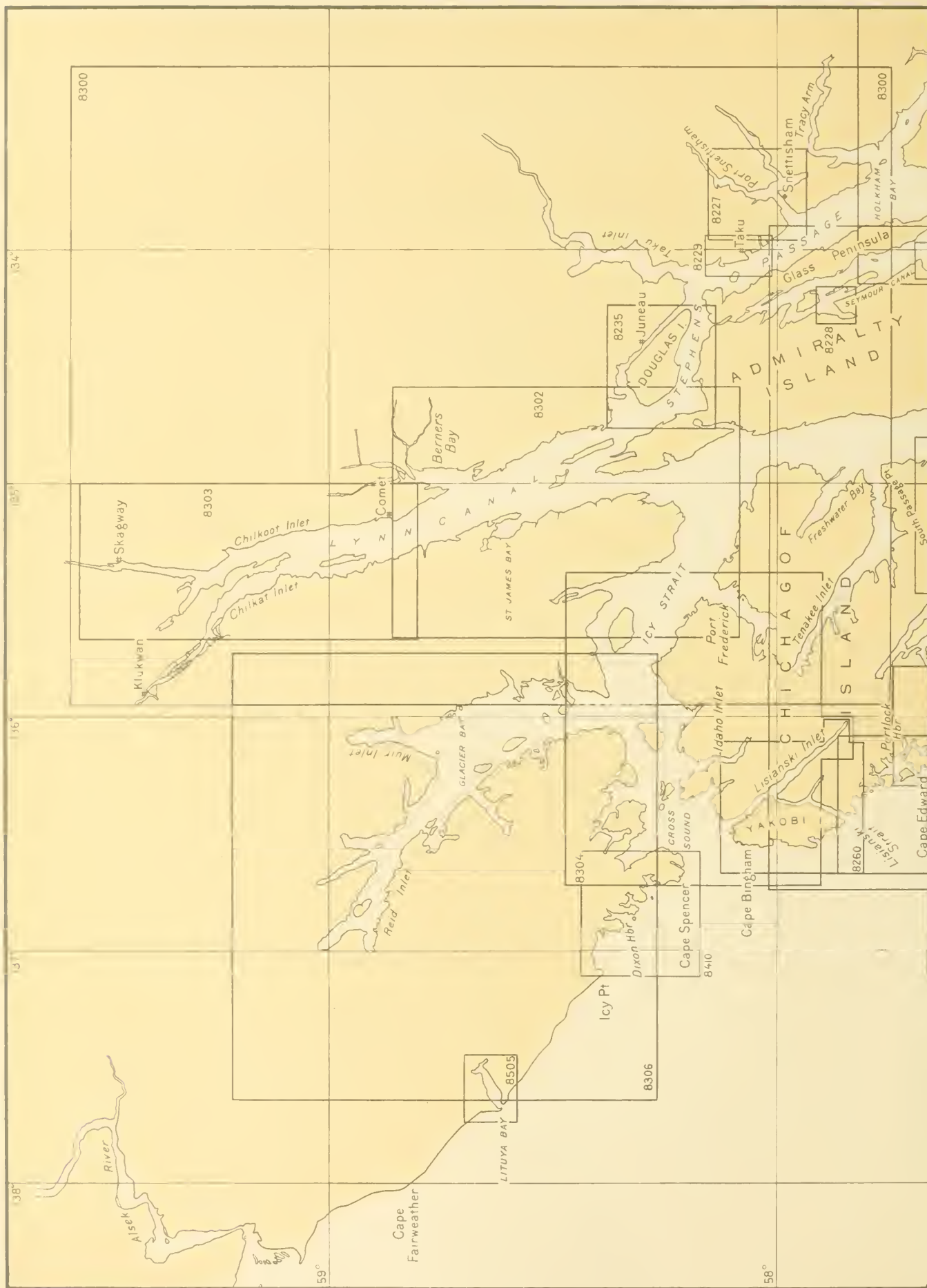






# GENERAL CHARTS AND HARBOR CHARTS, ALASKA—Continued

No.	Price	TITLE	Scale	Size of border (inches)	Date
CAPE DECISION TO CAPE BINGHAM					
8160	\$0.50	Zarembo Island and approaches.....	1:80,000	29×31	1931
8161	.75	Ernest Sound, Eastern Passage and Zimovia Strait.....	1:80,000	31×44	1924
8162	.75	Lake Bay and Approaches, Clarence Strait.....	1:10,000	34×34	1933
8164	.25	Steamer Bay, Wrangell Harbor, and Highfield Anchorage.....	1:20,000	18×29	1931
		Steamer Bay, Etolin Island.....	1:10,000		
8168	.25	Wrangell Harbor and Highfield Anchorage.....	1:20,000	14×21	1931
8170	.75	Red Bay, Prince of Wales Island.....	1:20,000	31×39	1935
8172	.75	Wrangell Narrows.....	1:40,000	26×40	1925
8174	.25	Shakan and Shipley Bays and part of El Capitan Passage.....	1:20,000	19×28	1931
8179	.25	Port Protection, Prince of Wales Island.....	1:10,000	25×25	1901
8200	.75	Port McArthur, Kuiu Island.....	1:200,000	33×41	1931
8210	.75	Frederick Sound and Sumner Strait.....	1:40,000	30×39	1930
8214	.25	Thomas, Farragut, and Portage Bays.....	1:40,000	20×23	1909
8216	.50	Saginaw and Security Bays.....	1:20,000	26×27	1920
		Woewodski and Eliza Harbors.....			
		Fanchaw Bay and Cleveland Passage.....			
8218	.50	Pybus, Hohart, and Windham Bays.....	1:40,000	27×34	1932
8224	.25	Gambier Bay, Stephens Passage.....	1:40,000	22×24	1932
8228	.25	Windfall and Mole Harbors.....	1:20,000	20×30	1913
8239	.75	Bays in Chatham Strait.....	1:20,000	29×36	1934
		Kelp Bay.....	1:40,000		
		Warm Spring Bay.....	1:20,000		
		Takatz and Kasnyku Bays.....	1:20,000		
8241	.75	Bay of Pillars, Chatham Strait.....	1:20,000	31×41	1907
		Washington Bay, Chatham Strait.....	1:10,000		
8242	.50	Harbors in Chatham Strait and vicinity, Hoggatt, Red Bluff, Gut, Herring and Chapin Bays, Surprise Harbor and Murder Cove.....	1:20,000	28×30	1929
8244	.75	Sitka Harbor and approaches.....	1:10,000	33×39	1930
8246	.75	Whitewater Bay and Chaik Bay, Chatham Strait.....	1:20,000	31×38	1933
8247	.50	Hood Bay and Kootznahoo Inlet.....	1:30,000	26×37	1932
8248	.75	Salisbury Sound and Peril Strait to Emmons Island.....	1:40,000	34×34	1931
		Sergius Narrows.....	1:20,000		
8250	.75	Chatham Strait and Baranof Island.....	1:200,000	34×42	1930
8253	.75	Cape Ommaney to Byron Bay.....	1:20,000	33×44	1926
8254	.75	Snipe Bay to Crawfish Inlet.....	1:40,000	31×42	1926
		Continuation of Necker Bay.....	1:40,000		
8255	.75	Crawfish Inlet to Sitka.....	1:40,000	33×44	1929
		Continuation of Crawfish Inlet.....	1:40,000		
8256	.75	South and West Coast of Kruzof Island.....	1:40,000	26×42	1931
8258	.25	Cape Edward to Lisianski Strait.....	1:40,000	23×30	1928
8261	.75	Ports Alexander, Conclusion, and Armstrong.....	1:10,000	29×39	1927
8263	.25	Port Walter, Chatham Strait.....	1:20,000	14×19	1927
8264	.25	Port Lucy.....	1:20,000	19×23	1928
8265	.25	Port Herbert.....	1:20,000	15×21	1928
8266	.25	Patterson Bay and Deep Cove, Chatham Strait.....	1:20,000	23×31	1931
8271	.25	Tehenkof Bay.....	1:40,000	25×27	1929
8272	.75	Keku Strait, Monte Carlo Island to Entrance Island.....	1:20,000	31×41	1931
		The Summit.....	1:10,000		
		Devils Elbow.....	1:10,000		
8280	.75	Khaz Bay.....	1:40,000	32×38	1930
		Elbow Passage.....	1:10,000		
8281	.75	Sitka Sound to Salisbury Sound.....	1:40,000	33×36	1930
		Neva Strait.....	1:20,000		
8283	.75	Peril Strait, Iloolah Sound to Chatham Strait.....	1:40,000	33×42	1933
8285	.25	Killisnoo Harbor, Chatham Strait.....	1:10,000	21×29	1931
8299	.25	Port Malmesbury, Chatham Strait.....	1:40,000	14×14	1931



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GENERAL CHARTS AND HARBOR CHARTS, ALASKA - CONTINUED

# GENERAL CHARTS AND HARBOR CHARTS, ALASKA—Continued

No.	Price	TITLE	Scale	Size of border (inches)	Date
CAPE EDWARD TO LITUYA BAY					
8227	\$0.25	Port Snettisham, Stephens Passage.....	1:40,000	23×26	1932
8229	.25	Slocum and Limestone Inlets and Taku Harbor.....	1:20,000	21×31	1932
8235	.50	Gastineau Channel and part of Stephens Passage.....	1:40,000	28×31	1933
8260	.75	Yakobi Island and Lisianski Inlet.....	1:40,000	33×38	1929
8300	.75	Lynn Canal and Stephens Passage.....	1:200,000	33×41	1926
		Hawk Inlet.....	1:40,000		
8302	.75	Lynn Canal, entrance to Point Sherman.....	1:80,000	28×43	1934
		Funter Bay.....	1:20,000		
8303	.50	Lynn Canal; Point Sherman to Skagway.....	1:80,000	20×41	1932
8304	.75	Icy Strait and Cross Sound.....	1:80,000	32×40	1932
		Inian Cove.....	1:20,000		
8306	.50	Glacier Bay.....	1:160,000	27×28	1910
8410	.75	Cape Spencer to Icy Point.....	1:40,000	32×39	1930
8505	.50	Lituya Bay.....	1:20,000	25×34	1929
		Lituya Bay Entrance.....	1:10,000		



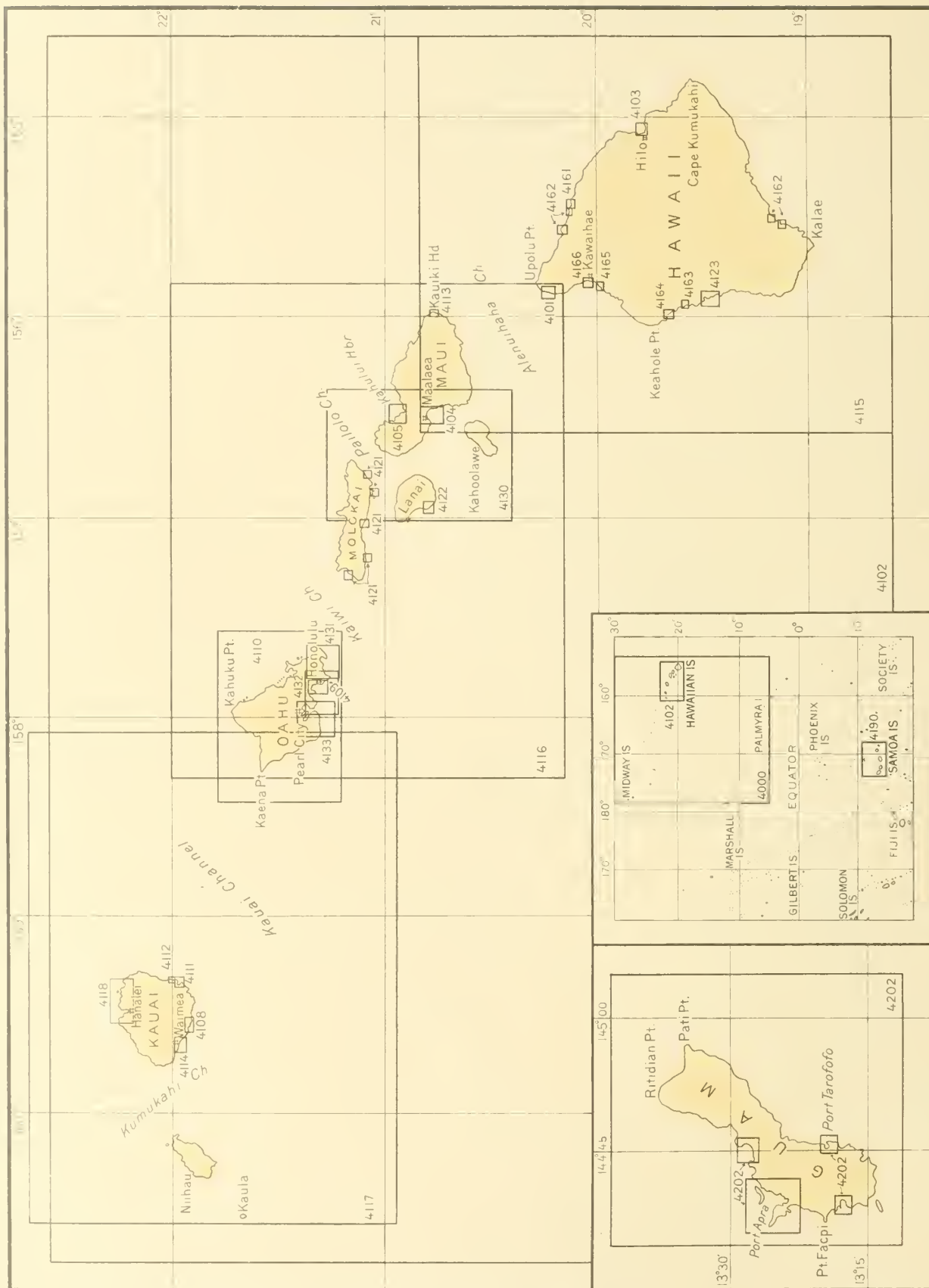


# GENERAL CHARTS AND HARBOR CHARTS, ALASKA—Continued

No.	Price	TITLE	Scale	Size of border (inches)	Date
YAKUTAT BAY TO BEHRING STRAIT					
8455	\$0.50	Yakutat Bay.....	1:80,000	28×32	1910
8457	.50	Icy Bay, South Coast.....	1:40,000	29×31	1923
8513	.50	Controller Bay.....	1:100,000	29×32	1913
8515	.75	Prince William Sound, western entrance.....	1:80,000	33×42	1930
8517	.75	Prince William Sound, western part.....	1:80,000	31×45	1921
8519	.75	Prince William Sound; Port Fidalgo and Valdez Arm.....	1:80,000	32×39	1933
8520	.75	Prince William Sound, eastern entrance.....	1:80,000	32×43	1935
8523	.75	Latouche, Elrington and Prince of Wales Passages.....	1:40,000	33×39	1935
8524	.75	Drier Bay, Prince William Sound.....	1:20,000	32×35	1931
8525	.25	Orea Bay and Inlet, Channel Islands to Cordova.....	1:30,000	15×15	1931
8528	.75	Point Elrington to Cape Resurrection.....	1:80,000	32×33	1930
8529	.75	Cape Resurrection to Two Arm Bay.....	1:80,000	28×37	1932
8530	.75	Seal Rocks to Gore Point.....	1:80,000	30×41	1932
8531	.75	Gore Point to Anchor Point.....	1:80,000	32×43	1933
8532	.75	Barren Islands.....	1:77,000	31×42	1934
8533	.75	Point Banks to Marmot Bay.....	1:80,000	26×42	1935
8536	.75	Gull Point to Kaguyak Bay.....	1:80,000	32×42	1934
		Sitkalidak Passage.....	1:20,000		
8537	.75	Sitkinak Strait and Alitak Bay; Kodiak Island.....	1:80,000	34×40	1933
8540	.50	Cape Alitak to Ikalik; Kodiak Island.....	1:80,000	25×33	1932
8541	.75	Cape Ikolik to Cape Kuliuk, Kodiak Island.....	1:80,000	32×35	1931
8542	.75	Uganik and Uyak Bays.....	1:80,000	31×43	1931
8551	.75	Prince William Sound.....	*1:198,500	34×43	1930
8552	.75	Point Elrington to East Chugach Island.....	*1:202,800	29×37	1933
8553	.75	Cook Inlet, northern part.....	*1:195,000	33×43	1915
8554	.75	Cook Inlet, southern part.....	*1:203,000	32×40	1934
8555	.75	Shelikof Strait and Afognak Island.....	*1:210,000	31×42	1934
8557	.75	Knik Arm, Fire Island to Goose Creek.....	1:40,000	32×33	1921
8570	.75	Kodiak to Kupreanof Strait (including Kodiak Harbor, scale 1:10,000).....	1:80,000	32×43	1910
8573	.75	Shuyak Strait and Bluefox Bay.....	1:20,000	27×42	1928
8575	.75	Part of Alitak Bay; Cape Alitak to Moser Bay.....	1:20,000	34×43	1932
8588	.50	Port Chatham.....	1:10,000	28×33	1920
8589	.50	Port Graham and Seldovia Bay.....	1:20,000	25×37	1916
8665	.50	Iliamna Bay, Cook Inlet.....	1:20,000	31×32	1917
8666	.75	Portage and Wide Bays.....	1:50,000	30×41	1927
8700	.75	Shumagin Islands; Nagai Island to Unga Island.....	1:100,000	31×39	1917
		Popof Strait.....	1:30,000		
		Delarof Harbor.....	1:20,000		
8701	.75	Morzhovoi Bay and Isanotski Strait.....	1:80,000	33×36	1929
8703	.50	Dolgoi Island to Deer Island.....	1:80,000	28×35	1927
8704	.75	Pavlof Bay and approaches.....	1:80,000	28×40	1926
8710	.75	Chignik and Kujulik Bays (including Chignik Bay Anchorage and Mud Bays, scale 1:40,000).....	*1:80,000	33×43	1927
8822	.50	Bays and anchorages in Alaska, south coast.....		22×38	1930
		Uyak Anchorage.....	1:20,000		
		Larsen Bay.....	1:20,000		
		Karluk Anchorage.....	1:20,000		
		Shearwater Bay.....	1:15,000		
8833	.25	Port Moller and Herendeen Bay.....	1:80,000	23×28	1917
8841	.25	Harbors and anchorages, Sanak Island.....		20×21	1927
		Northeast Harbor, Sanak Island.....	1:10,000		
		Peterson Bay, Sanak Island.....	1:20,000		
		Sanak Harbor, Sanak Island.....	1:10,000		
8851	.50	Harbors and Anchorages, Southwestern Alaska (see p. 27).....		27×28	1932
8860	.75	Unimak and Akutan Passes and approaches.....	*1:300,000	32×42	1928
8881	.25	Islands and harbors off Alaska Peninsula.....		19×21	1919
		Semidi Islands and Chirikof Island.....	*1:400,000		
		Chiachi Islands.....	1:17,000		
		Northeast Harbor, Little Koniui Island.....	*1:122,000		
		Northwest and Yukon Harbors, Koniui Islands.....	1:64,000		
		Simeonof Harbor, Simeonof Island.....	1:90,000		
8995	.75	Pribilof Islands, Bering Sea.....	*1:200,000	30×36	1910
8996	.75	St. Paul and St. George Islands, Pribilof Islands, Bering Sea (2 plans).....	1:75,000	30×39	1934
9007	.25	Unalaska Bay, Iliuliuk Bay, and Dutch Harbor.....	1:40,000	21×25	1935
9008	.50	Dutch Harbor.....	1:10,000	27×33	1934
9050	.50	Nushagak Bay and approaches.....	*1:150,000	23×37	1911
9103	.50	Kuskokwim Bay (including Goodnews Bay, scale 1:80,000).....	*1:200,000	24×37	1916
9104	.50	Kuskokwim River—Eek Island to Bethel.....	1:100,000	19×37	1918
9370	.75	Cape Romanzof to St. Michael.....	1:300,000	34×36	1901
9372	.75	Yukon River, Apoon Mouth to Head of Passes (including Apoon Mouth, scale 1:20,000).....	1:80,000	32×38	1914
9373	.75	Yukon River, Kwikluak Mouth, west coast.....	1:80,000	29×39	1901
9375	.75	St. Michael Bay, Norton Sound.....	1:20,000	31×38	1901
9380	.75	Norton Sound.....	1:400,000	33×41	1914
9381	.25	Port Safety, Norton Sound.....	1:15,000	19×21	1905
9382	.75	Golofnin Bay, Norton Sound.....	1:40,000	32×39	1903
9385	.25	Port Clarence and Grantley Harbor.....	1:80,000	19×27	1912

\*Scale approximate.

NOTE.—For additional harbor charts of western Alaska, see page 27.

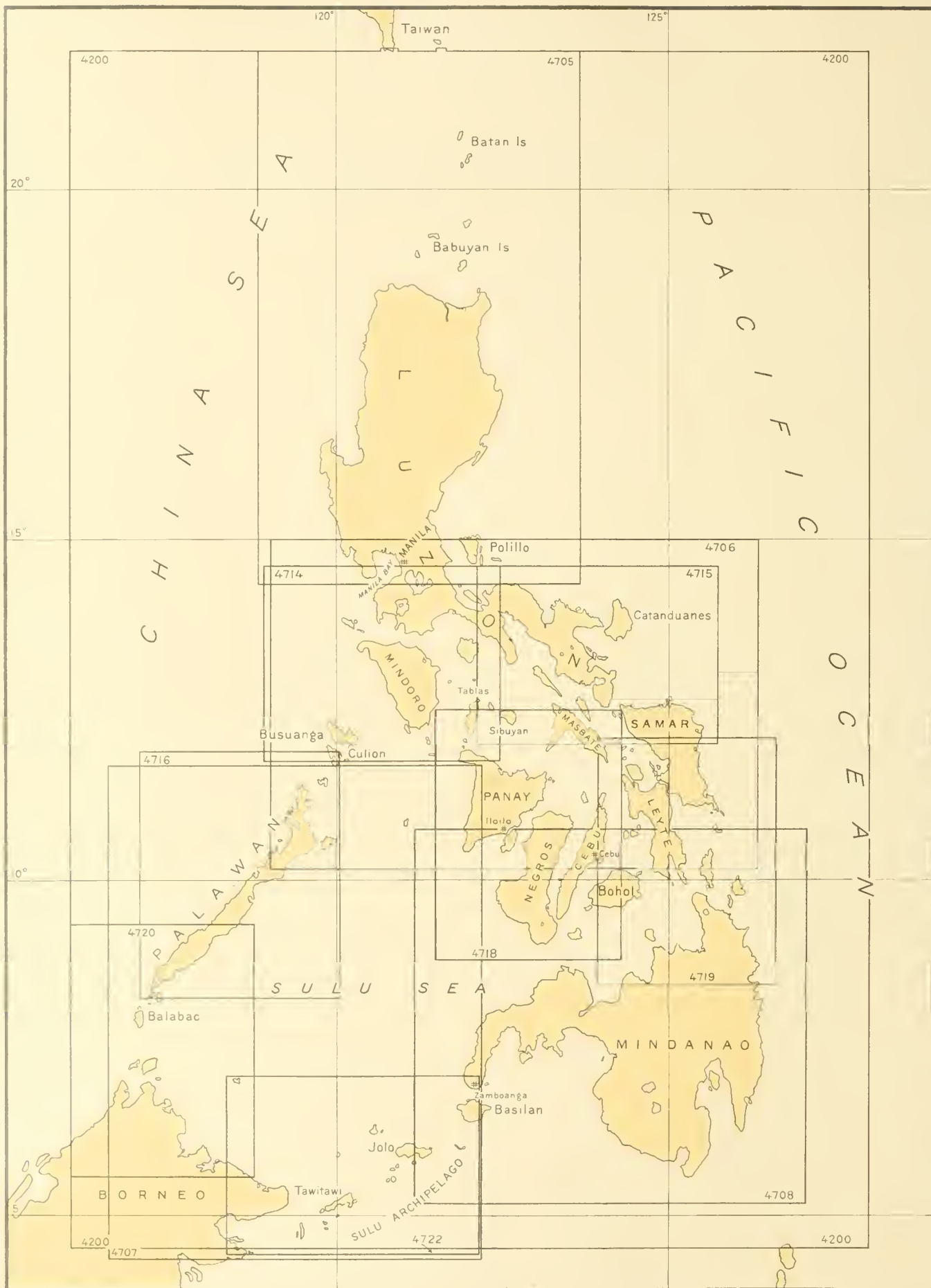


CHARTS OF HAWAIIAN ISLANDS, GUAM AND SAMOA

# CHARTS OF HAWAIIAN ISLANDS, GUAM, AND SAMOA

No.	Price	TITLE	Island	Scale	Size of border (inches)	Date
SAILING, GENERAL, COAST, AND HARBOR CHARTS						
4000	\$0.75	Territory of Hawaii.....		*1:3,167,000	34×36	1934
4101	.25	Mahukona Harbor and approaches.....	Hawaii.....	1:5,000	17×23	1931
4102	.75	Hawaiian Islands.....	do.....	*1:600,000	30×44	1935
4103	.25	Hilo Bay.....	do.....	1:10,000	23×26	1935
4104	.75	Maalaea Bay.....	Maui.....	1:10,000	32×40	1934
4105	.25	Kahului Harbor and approaches.....	do.....	1:10,000	25×26	1935
4108	.25	Port Allen.....	Kauai.....	1:5,000	19×28	1935
4109	.50	Honolulu Harbor.....	Oahu.....	1:5,000	24×35	1933
4110	.75	Oahu.....		1:80,000	32×44	1933
4111	.25	Nawiliwili Bay.....	Kanai.....	1:5,000	22×31	1933
4112	.50	Hanamaulu Bay.....	do.....	1:2,500	26×33	1929
4113	.25	Hana Bay.....	Maui.....	1:5,000	17×17	1932
4114	.50	Approach to Waimea and Makaweli Landings.....	Kanai.....	1:10,000	27×35	1934
4115	.75	Hawaii.....	Hawaii.....	*1:247,000	35×39	1932
4116	.75	Hawaii to Oahu.....		*1:247,000	33×42	1933
4117	.75	Hawaiian Islands, Oahu to Niihau.....		*1:250,000	31×43	1933
4118	.75	Haena Point to Kepuhi Point.....	Kauai.....	1:20,000	28×44	1930
4121	.50	Harbors of Molokai.....	Molokai.....		28×34	1934
		Kaunakakai Harbor.....		1:5,000		
		Pukoo Harbor.....		1:5,000		
		Kamalo Harbor.....		1:5,000		
		Kolo Harbor.....		1:5,000		
		Papohaku Roadstead.....		1:5,000		
4122	.25	Kaunapali Harbor.....	Lanai.....	1:2,500	15×16	1929
4123	.50	Kealahou Bay to Honaunau Bay.....	Hawaii.....	1:10,000	25×34	1928
4130	.75	Channels between Molokai, Maui, Lanai, and Kahoolawe.....	do.....	1:80,000	33×44	1935
4131	.75	South Coast of Oahu, Makapuu Point to Diamond Head.....	Oahu.....	1:20,000	34×42	1933
4132	.75	South Coast of Oahu, Diamond Head to Keahi Point.....	do.....	1:20,000	34×42	1933
4133	.75	South Coast of Oahu, Ahua Point to Barbers Point.....	do.....	1:20,000	34×42	1927
4161	.25	Paaui Landing.....	Hawaii.....	1:5,000	20×28	1933
4162	.50	Harbors and Landings.....	do.....		31×31	1931
		Punaluu Harbor.....		1:2,500		
		Honuaia Harbor.....		1:2,500		
		Honokaa Landing.....		1:2,500		
		Kukuihaele Landing.....		1:2,500		
4163	.25	Keauhou Bay—West Coast.....	do.....	1:2,500	21×24	1932
4164	.25	Kailua Bay—West Coast.....	do.....	1:5,000	19×20	1932
4165	.25	Puako Bay and vicinity—West Coast.....	do.....	1:2,500	24×28	1932
4166	.25	Kawaihae—West Coast.....	do.....	1:5,000	21×27	1932
4190	.75	United States possessions in the Samoa Islands.....			33×39	1929
		Samoa Islands.....		*1:2,000,000		
		Tutuila Island.....		1:60,000		
		Pago Pago Harbor, Tutuila Island.....		1:15,000		
		Manua Islands.....		1:80,000		
		Swains Island.....		*1:40,120		
		Rose Island.....		*1:106,000		
4202	.50	Guam Island, Marianas Islands.....		1:80,000	29×31	1906
		Port Tarofoto.....	Guam.....	1:10,500		
		Agaña Bay.....	do.....	1:28,300		
		Umatac Bay.....	do.....	1:5,330		
		Port Apra.....	do.....	1:37,500		

\*Scale approximate.

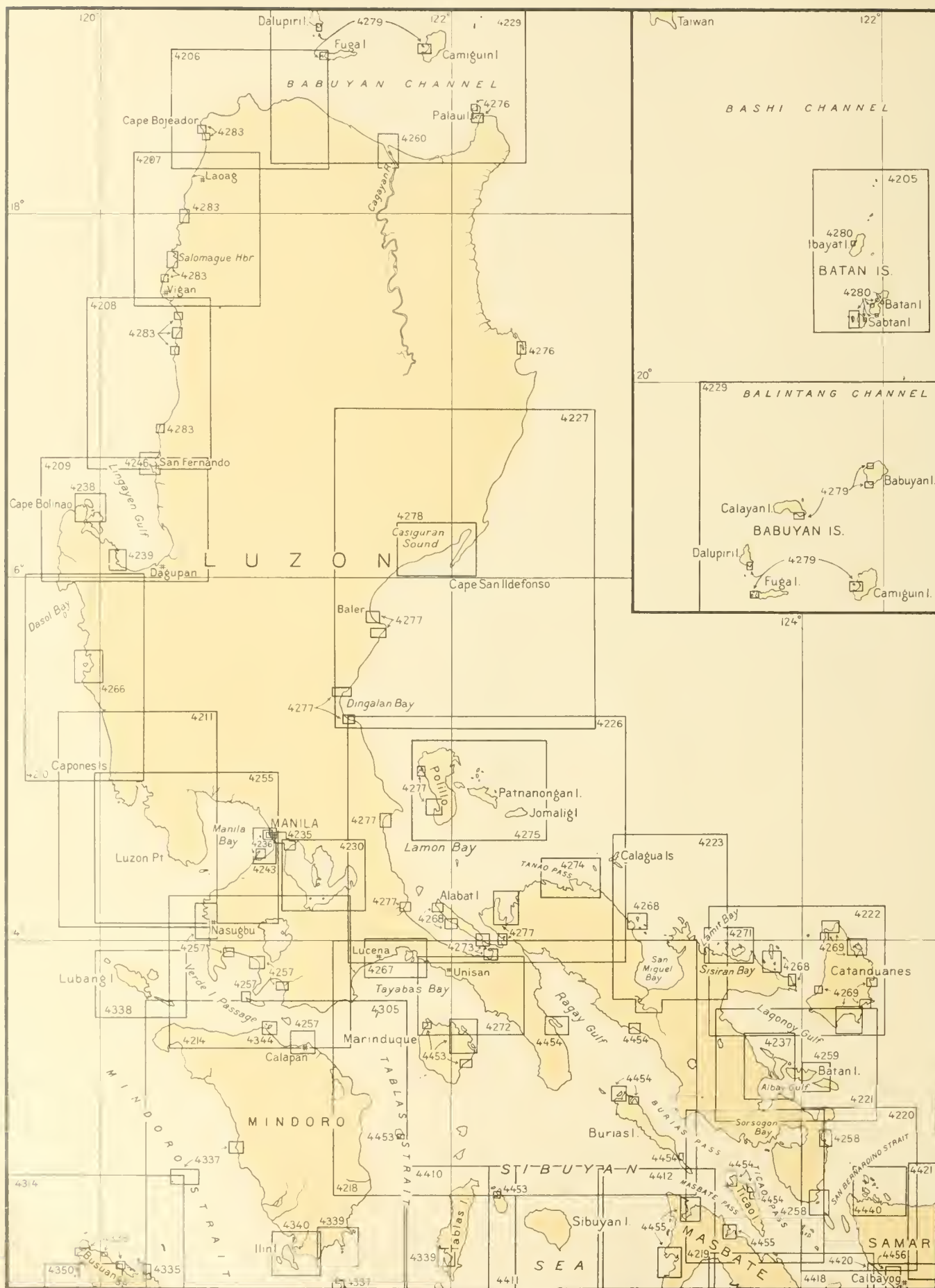


SAILING AND GENERAL CHARTS OF THE PHILIPPINE ISLANDS



## SAILING AND GENERAL CHARTS OF THE PHILIPPINE ISLANDS

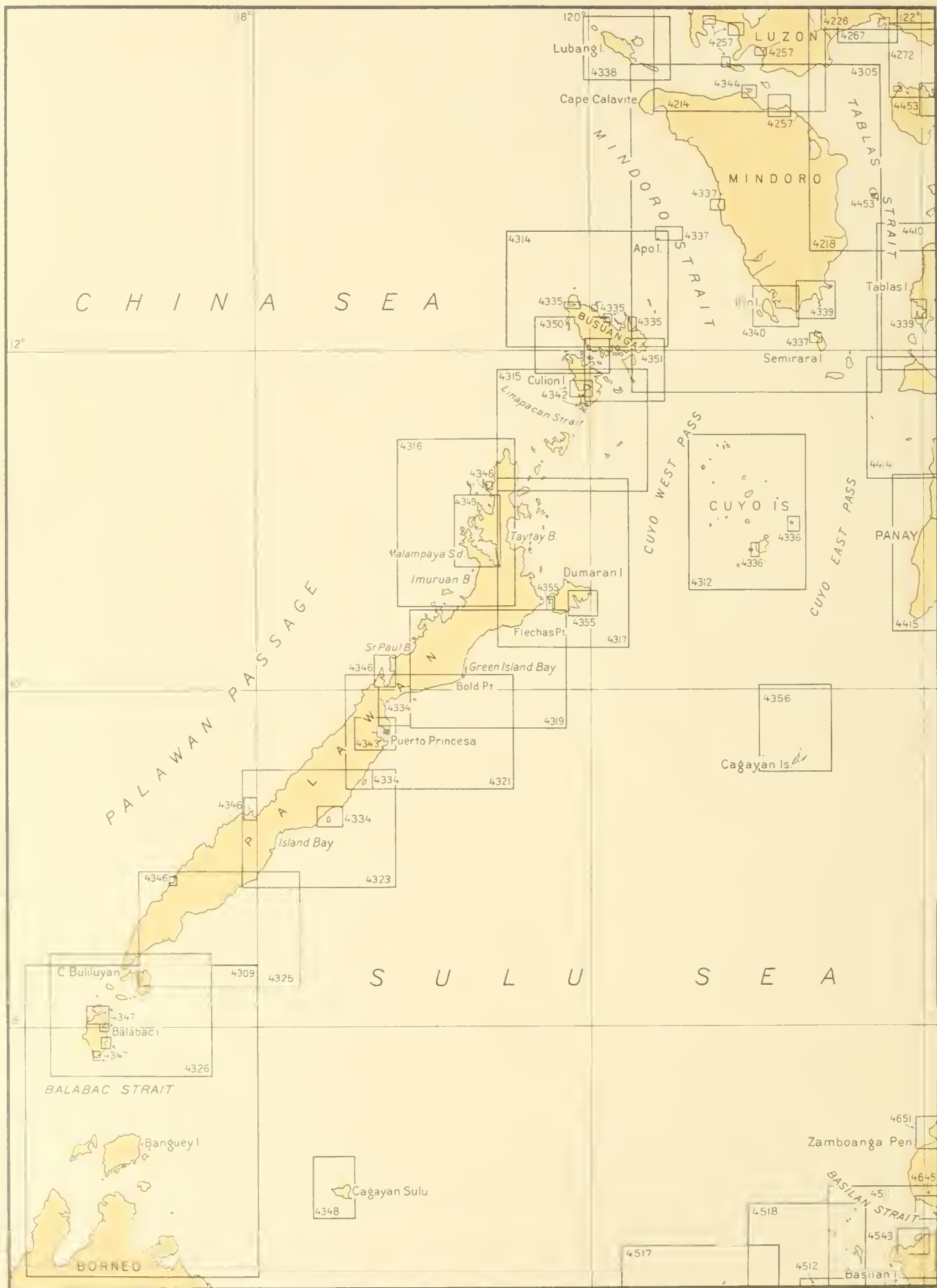
No.	Price	TITLE	Scale, approximate	Size of border (inches)	Date	No.	Price	TITLE	Scale, approximate	Size of border (inches)	Date
4200	\$0. 75	Philippine Islands .....	1:1,600,000	33×49	1933	4716	\$0. 75	Palawan .....	1:400,000	34×40	1933
4705	. 75	Manila Bay to Taiwan .....	1:800,000	28×44	1933	4718	. 75	Panay, Negros and Cebu, with parts of Bohol and Masbate .....	1:400,000	31×41	1917
4796	. 75	Philippine Islands, central part .....	1:800,000	27×40	1932	4719	. 75	Surigao Strait and Leyte, with parts of Samar and Mindanao .....	1:400,000	30×40	1925
4707	. 75	Philippine Islands, southwestern part .....	1:800,000	31×41	1933	4720	. 75	Balabac Strait and approaches .....	1:400,000	31×41	1933
4708	. 75	Philippine Islands, southeastern part .....	1:800,000	31×33	1931	4722	. 75	Sulu Archipelago .....	1:400,000	30×42	1929
4714	. 75	Southwestern Luzon and Mindoro .....	1:395,000	32×39	1933						
4715	. 75	Southeastern Luzon and parts of Masbate and Samar .....	1:400,000	30×40	1934						



COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS

# COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS

No.	Price	TITLE	Scale	Size of border (inches)	Date	No.	Price	TITLE	Scale	Size of border (inches)	Date
4200	\$0.75	Philippine Islands (see p. 3s for diagram)	1:1,600,000	33×49	1933	4267	\$0.50	Lucena Anchorage, Pagbilao Bay and Port Laguimanoc; Luzon Island	1:40,000	25×35	1924
4205	.75	Batan Islands	1:100,000	29×41	1929	4268	.50	Harbors from Alabat to Pitogo Bay	1:20,000	26×30	1909
4207	.75	Laoag to Vigan, Luzon Island	1:100,000	31×41	1906			Port Alabat, southwest coast; Alabat Island	1:20,000		
		Port Currimao and Gan Bay	1:20,000					Sangirin Bay, northwest coast; Alabat Island	1:20,000		
		Salomague Harbor and Lapog Bay	1:20,000					Tabgon Anchorage, east coast; Luzon Island	1:30,000		
4206	.75	Pata Point to Cape Bojeador to Bacarra, Luzon Island	1:100,000	30×40	1934			Canimo Pass and Mercedes, east coast; Luzon Island	1:25,000		
4208	.75	Santa to San Fernando; Luzon Island	1:100,000	32×42	1934			Pitogo Bay, east coast; Luzon Island	1:15,000		
4209	.75	Lingayen Gulf; Luzon Island	1:100,000	31×42	1924			Harbors of Catanduanes	1:50,000	24×27	1923
4210	.75	Capones Islands to Dasol Bay; Luzon Island	1:125,000	24×41	1932	4269	.25	Cabugao Bay, south coast	1:30,000		
		Santa Cruz Inner Harbor	1:30,000					Bagamanoc and Anajao, east coast	1:20,000		
		Iba Anchorage	1:30,000					Cobo Bay, west coast	1:20,000		
4211	.75	Approaches to Manila Bay	1:125,000	30×43	1932			Port Manamrag, west coast	1:20,000		
4214	.75	Verde Island Passage	1:125,000	31×37	1933			Pandan Bay, north coast	1:20,000		
4218	.75	Ragay Gulf to Tayabas Bay; Luzon Island	1:200,000	32×45	1922			Gigmoto Bay, east coast	1:20,000		
		Vinas River	1:50,000					Kalapadan Bay, east coast	1:30,000		
4219	.75	Passages between Luzon and Masbate and Sorsogon Bay	1:100,000	35×39	1919	4271	.75	Lamitan and Sisiran Bays; Luzon Island	1:30,000	30×41	1924
4220	.75	San Bernardino Strait; Luzon and Samar Islands	1:100,000	30×41	1917	4272	.75	Unisan to Mulaney and northern part of Marinduque; Luzon and Marinduque Islands	1:70,000	28×38	1910
		Biri Anchorage	1:20,000					Silangan Pass and Hongagua Harbor; Luzon Island	1:20,000	17×32	1913
		Mauo River	1:10,000			4273	.25	Tanao Pass; Luzon Island	1:40,000	24×36	1921
4221	.75	Albay Gulf and part of Lagonoy Gulf; Luzon Island	1:100,000	29×40	1924	4274	.50	Polillo Islands	1:80,000	32×42	1924
4222	.75	Lagonoy Gulf to Lamit Bay and Catauduanes Island; Luzon Island	1:100,000	32×43	1924	4275	.75	Harbors on the northeast coast of Luzon	1:15,000	22×32	1932
4223	.75	San Miguel and Lamit Bays; Luzon Island	1:100,000	29×41	1933	4276	.25	Port Bicobian	1:10,000		
		Continuation of Bicol River	1:100,000					Engaño Cove	1:10,000		
4226	.75	Lamon Bay and Polillo Island	1:200,000	31×35	1928			Port San Vicente	1:15,000		
4227	.75	Dingalan Bay to Digollorin Bay	1:200,000	32×40	1933	4277	.75	Harbors on the east coast of Luzon	1:20,000	31×38	1933
4229	.75	Babuyan Islands	1:200,000	30×40	1933			Baler Anchorage	1:20,000		
4230	.75	Laguna de Bay	1:10,000	29×34	1933			Dibut Bay	1:20,000		
		Napibndan Channel, Pasig River approach	1:10,000					Dingalan Bay	1:20,000		
4235	.75	Pasig River; Luzon Island	1:10,000	26×42	1933			Umiray River	1:20,000		
4236	.50	Manila and Cavite Harbors; Luzon Island	1:10,000	21×35	1933			Basad Bay	1:40,000		
		Manila Harbor	1:10,000					Port Lampon	1:20,000		
		Cavite Harbor	1:10,000					Hook Bay	1:20,000		
4237	.75	Tabaco Bay to Legaspi and western part of Albay Gulf; Luzon Island	1:40,000	32×41	1924	4278	.75	Polillo Harbor	1:30,000		
4238	.75	Bolinao Harbor and approaches; Luzon, Island	1:20,000	35×36	1911			Maubau Anchorage	1:20,000		
4239	.50	Port Sual to Comas Island; Luzon Island	1:15,000	23×38	1904	4279	.50	Port Apat	1:20,000		
4243	.50	Manila to Cavite	1:30,000	25×33	1933			Casiguran Sound, east coast of Luzon	1:40,000	32×41	1933
4246	.50	San Fernando Harbor; Luzon Island	1:15,000	25×28	1924			Harbors in Babuyan Islands	1:20,000	24×34	1931
4255	.75	Manila Bay and approaches coast of Luzon to Capones Islands; Luzon Island	1:125,000	32×36	1933			Banao Anchorage	1:20,000		
		Mariveles Harbor	1:30,000					Calayan Landing and Cibang Cove	1:20,000		
4257	.75	Anchorage, vicinity of Verde Island Passage	1:28,000	28×36	1922	4280	.50	San Dionisio	1:20,000		
		Nasugbu and Hamilo Cove; Luzon Island	1:50,000					Barugan Cove	1:20,000		
		Balayan; Luzon Island	1:10,000					Port San Pio Quinto	1:20,000		
		Taal and Lemery; Luzon Island	1:10,000					Musa Bay	1:15,000		
		Batangas; Luzon Island	1:15,000					Harbors in Batan Islands	1:10,000	23×35	1931
		Port Maricaban; Maricaban Island	1:10,000			4283	.75	Mayan Landing, Itbayat Island	1:10,000		
		Calapan; Mindoro Island	1:40,000					Basco, Batan Island	1:10,000		
4258	.25	Matnog Bay and Tielin Strait; Luzon Island	1:30,000	18×26	1916			Mabatao, Batan Island	1:10,000		
		Port Gubat; Luzon Island	1:20,000					Balugan Bay, Batan Island	1:10,000		
4259	.75	Rapu Rapu Strait	1:20,000	34×36	1924			Uyugan, Batan Island	1:10,000		
4260	.25	Aparri Anchorage and part of Cagayan River; Luzon Island	1:25,000	20×33	1932			Sabtang, Sabtang Island	1:10,000		
4266	.50	Ports Masinloc and Matalvi and Palaug Bay; Luzon Island	1:25,000	29×32	1907			Sabtang Channel, Batan Island	1:20,000		
								Harbors on the west coast of Luzon	1:10,000	34×34	1934
								Dirigue Inlet	1:5,000		
								Nagabungau Bay	1:5,000		

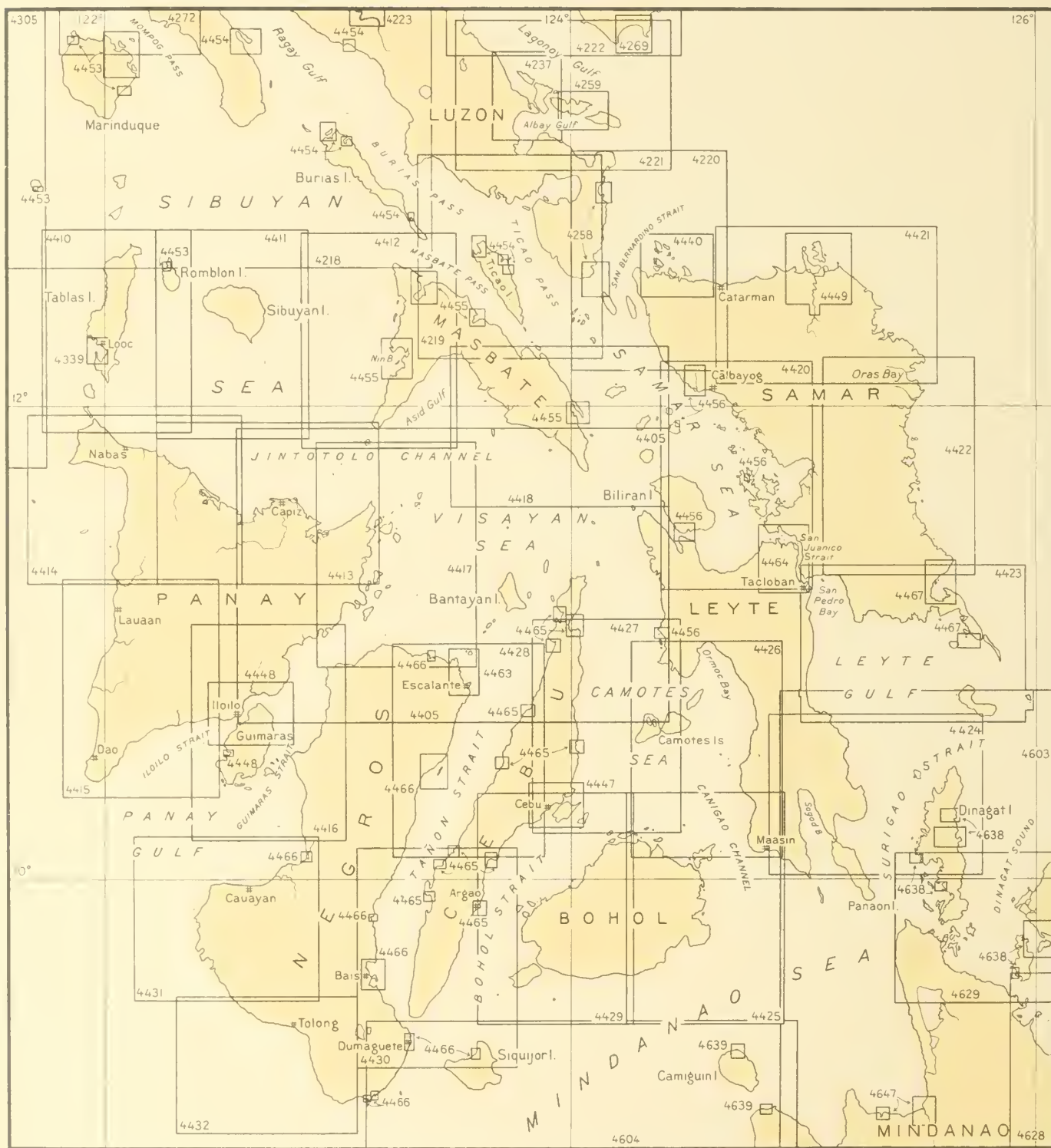


COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS -- CONTINUED



# COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS—Continued

No.	Price	TITLE	Scale	Size of border (inches)	Date	No.	Price	TITLE	Scale	Size of border (inches)	Date
4305	\$0.75	Mindoro and vicinity.....	1:200,000	33×43	1919	4339	\$0.50	Anchorage southeast Mindoro and Tablas Islands.....		25×37	1912
4309	.75	Balabac Strait.....	1:200,000	31×42	1921			Looc Bay; Tablas Island.....	1:40,000		
4312	.75	Cuyo Islands.....	1:100,000	31×41	1922			Laguna Cove and Passes south- ward; Mindoro Island.....	1:20,000		
4314	.75	Northern part of Busuanga.....	1:100,000	31×42	1919			Buruncan Point to Pocanil Bay; Mindoro Island.....	1:40,000		
4315	.75	Palawan to Culion Island, including Linapacan Strait.....	1:100,000	32×41	1917						
4316	.75	Northwestern Palawan.....	1:100,000	31×45	1933	4340	.50	Mangarin and Pandarochan Bays; Mindoro Island.....	1:40,000	26×30	1911
4317	.75	Northeast coast of Palawan, Shark Fin Bay to Flechas Point; Pala- wan Island.....	1:100,000	31×44	1918	4342	.50	Halsey Harbor and Dicabaito An- chorage; Culion Island.....	1:20,000	23×32	1921
4319	.75	Green Island Bay and vicinity.....	1:100,000	31×41	1920			Dicabaito Anchorage.....	1:20,000		
		Fascoe Channel, Green Island.....	1:20,000			4343	.25	Puerto Princesa; Palawan Island.....	1:40,000	23×29	1920
4321	.75	Bold Point to Malanao Island.....	1:100,000	31×43	1920	4344	.75	Port Galera and Varadero Bay; Mindoro Island.....	1:10,000	29×35	1924
4323	.75	Malanao Island to Nariz Point.....	1:100,000	31×43	1922	4346	.50	Harbors of Palawan Island.....		26×31	1932
4325	.75	Nariz Point to Bugsuk Island.....	1:100,000	31×44	1922			Bacuit, northwest coast.....	1:15,000		
4326	.75	North Balabac Strait and vicinity.....	1:100,000	32×42	1921			Ulugan Bay, west coast.....	1:30,000		
4334	.75	Anchorage East Coast of Palawan.....		27×39	1921			Malanut and Nakoda Bays, west coast.....	1:30,000		
		Honda Bay.....	1:40,000					Culasian Bay, west coast.....	1:20,000		
		Malanao Anchorage.....	1:40,000			4347	.25	Harbors of Balabac Island.....		23×28	1920
4335	.25	Harbors on the north coast of Busu- anga.....		18×29	1920			Clarendon Bay, south coast.....	1:15,000		
		Minuit Anchorage.....	1:20,000					Calandorang Bay, east coast.....	1:15,000		
		Ilultuk Bay.....	1:20,000					Delawan Bay, east coast.....	1:20,000		
		Port Calton.....	1:20,000					Port Ciego, north coast.....	1:40,000		
		Minangas Bay.....	1:20,000			4348	.50	Cagayan Sulu and adjacent islands.....	1:75,000	19×37	1924
4336	.50	Anchorage in Cuyo Islands.....		29×34	1918			Lapulapun Anchorage.....	1:15,000		
		Tagauayan Islands.....	1:10,000			4349	.50	Malampaya Sound and approaches; Palawan Island.....	1:50,000	27×38	1933
		Cuyo Anchorage and Bisucay Channel.....	1:10,000					Western entrance to Coron Bay; Calamian Group.....	1:50,000	30×39	1919
4337	.75	Anchorage west and south of Min- doro; Mindoro Island.....		28×36	1916	4350	.75	Coron Bay; Calamian Group.....	1:50,000	33×41	1916
		Apo Reef.....	1:20,000					Culion Landing.....	1:2,000		
		Sabluyan Anchorage and Pan- dan Bay.....	1:20,000			4355	.75	Harbors on Dumaran Island.....	1:20,000	31×38	1920
		Semirara Anchorage.....	1:20,000					Dumaran Bay.....	1:20,000		
4338	.75	Lubang Islands.....	1:60,000	28×38	1914	4356	.75	Cagayan Islands.....	1:60,000	33×39	1923
		Golo Pass.....	1:20,000					Cagayan Anchorage.....	1:10,000		



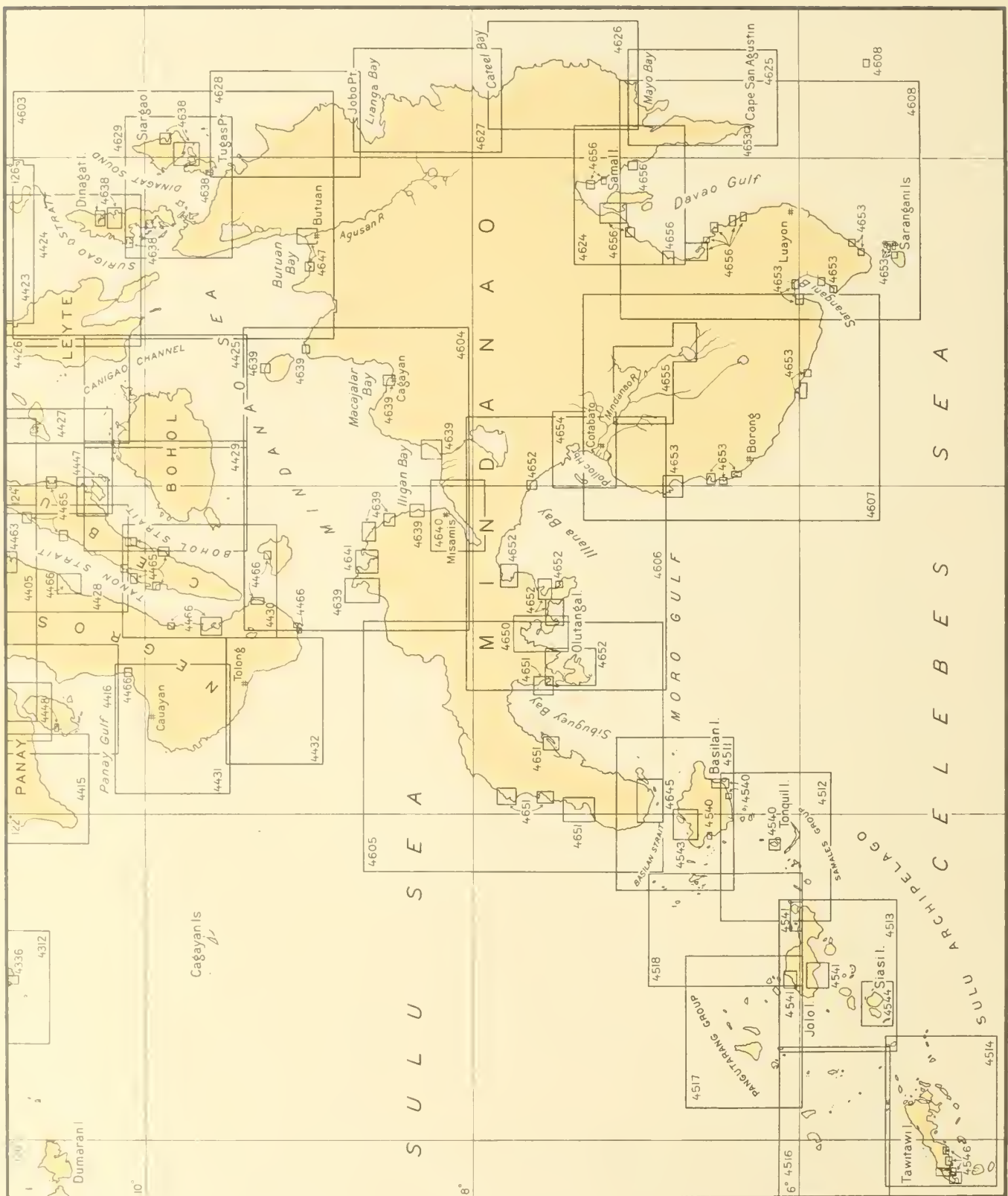
C & G S Print

# COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS -- CONTINUED

# COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS—Continued

No.	Price	TITLE	Scale	Size of border (inches)	Date	No.	Price	TITLE	Scale	Size of border (inches)	Date
4405	\$0.75	Visayan Sea.....	1:200,000	28×41	1914			Harbors of Marinduque Island and vicinity—Continued.			
4410	.75	Tablas Island and vicinity.....	1:100,000	28×38	1913			Romblon Harbor, west coast; Romblon Island.....	1:10,000		
4411	.75	Sibuyan and Romblon Islands.....	1:100,000	29×39	1914						
4412	.75	Western Masbate.....	1:100,000	30×40	1917						
4413	.75	Northern Panay, Sigat Point to Bulaue Point.....	1:100,000	30×42	1919	4454	\$0.75	Harbors on Burias and Ticao Islands and Ragay Gulf.....		31×33	1920
		Capiz Bay.....	1:30,000					Port Pusgo, Ragay Gulf; Luzon Island.....	1:30,000		
		Port Batan.....	1:30,000					Pasacao Anchorage, Ragay Gulf; Luzon Island.....	1:20,000		
4414	.75	Northwestern Panay.....	1:100,000	32×40	1917			Port Busin, north coast; Burias Island.....	1:20,000		
4415	.75	Southwestern Panay.....	1:100,000	30×40	1921			Port Busainga, northeast coast; Burias Island.....	1:15,000		
		San Jose De Buenavista.....	1:10,000					Port Boca Engaño, southeast coast; Burias Island.....	1:10,000		
4416	.75	Iloilo and Guimaras Straits; Panay and Guimaras Islands.....	1:100,000	30×41	1925			Port San Miguel, northwest coast; Ticao Island.....	1:20,000		
4417	.75	Northeastern Panay and adjacent islands.....	1:100,000	31×42	1911			Port San Jacinto, east coast; Ticao Island.....	1:20,000		
4418	.75	Southeast Masbate.....	1:100,000	30×41	1915			Taclogan Bay, east coast of Ticao Island.....	1:20,000		
4420	.75	Calbayog to Tacloban; Samar and Leyte Islands.....	1:100,000	29×42	1924						
		Catbalogan Harbor.....	1:35,000								
4421	.75	Cataman to Oras Bay; Samar Island. Helm Harbor and San Ramon Bay.....	1:100,000	30×42	1908						
			1:25,000								
4422	.75	Oras Bay to Matarinao Bay; Samar Island.....	1:100,000	29×41	1908	4455	.75	Harbors on the coast of Masbate.....		28×37	1917
		Port Libas.....	1:30,000					Port Barrera, north coast; Masbate Harbor, northeast coast.....	1:30,000		
		Port Borongan.....	1:30,000					Port Cataingan, east coast.....	1:30,000		
		Llorente and vicinity.....	1:30,000					Nin Bay, west coast.....	1:30,000		
4423	.75	Southern part of Samar and San Pedro Bay.....	1:100,000	30×43	1910	4456	.25	Harbors of Samar and Leyte.....		24×28	1914
4424	.75	Southeast coast of Leyte and Dinagat Island.....	1:100,000	31×41	1913			Jibatan River, west coast; Samar Island.....	1:50,000		
		Liloan Bay and Panaon Strait.....	1:10,000					Santo Niño Harbor; Santo Niño Island.....	1:5,000		
4425	.75	Eastern Bohol and part of Leyte.....	1:100,000	31×44	1910			Parasan Harbor; Daram Island.....	1:10,000		
4426	.75	Southwest coast of Leyte, Ormoc Bay to Maasin.....	1:100,000	30×41	1915			Biliran Strait; Leyte and Biliran Islands.....	1:20,000		
		Maasin.....	1:10,000					Port Palompon; Leyte Island.....	1:10,000		
4427	.75	East coast of Cebu; Cebu Island.....	1:100,000	28×40	1910	4463	.75	Escalante Harbor and vicinity; Negros Island.....	1:20,000	30×41	1924
4428	.75	Northern part of Tañon Strait; Negros and Cebu Islands.....	1:100,000	29×40	1911						
4429	.75	Western Bohol; Bohol Island.....	1:100,000	30×44	1911	4464	.75	San Juanico Strait and Janabatas Channel; Samar and Leyte, Islands. Northern entrance to San Juanico Strait.....	1:30,000	31×40	1910
4430	.75	Tañon Strait, southern part; Cebu and Negros Islands.....	1:100,000	31×42	1911						
4431	.75	Western Negros.....	1:100,000	32×36	1926						
		Asia Bay.....	1:10,000			4465	.50	Harbors in Cebu.....		25×32	1912
4432	.75	Southwestern Negros.....	1:100,000	27×35	1913			Hagnaya Bay.....	1:30,000		
4440	.50	Biri Channel and vicinity, northwest coast of Samar.....	1:40,000	25×32	1934			Tuburan.....	1:30,000		
4447	.50	Cebu Harbor and approaches; Cebu Island.....	1:30,000	28×35	1932			Balamban Bay.....	1:30,000		
		Cebu Harbor.....	1:10,000					Lambusan.....	1:30,000		
4448	.50	Iloilo Strait and Harbor; Panay Island.....	1:50,000	24×32	1933			Dumanjug Bay.....	1:20,000		
		Iloilo River.....	1:10,000					Moalboal.....	1:20,000		
		Santa Ana Bay.....	1:20,000					Argao.....	1:25,000		
4449	.75	Port Palapag and Laoang Bay; Samar Island.....	1:40,000	31×33	1924	4466	.75	Bogo Bay.....	1:30,000		
4453	.75	Harbors of Marinduque Island and vicinity.....		29×36	1913			Carcar Bay.....	1:15,000		
		Port Balanacan, northwest coast; Marinduque Island.....	1:10,000					Port Carmen.....	1:15,000		
		Santa Cruz Harbor and Masagsai Bay, northeast coast; Marinduque Island.....	1:30,000					Barili Bay.....			
		Torrijos Bay, east coast; Marinduque Island.....	1:5,000					Harbors in Negros and vicinity.....		32×36	1922
		Port Concepcion; Maestro de Campo Islands.....	1:10,000					Dumaguete; Negros Island.....	1:10,000		
								Himngaun River; Negros Island.....	1:15,000		
								Calagcalag Bay; Negros Island.....	1:10,000		
								Port Canoan; Siquijor Island.....	1:5,000		
								Port Bombonan; Negros Island.....	1:10,000		
								Refugio Pass; Negros Island.....	1:35,000		
								Bais; Negros Island.....	1:30,000		
								Port Siyt; Negros Island.....	1:10,000		
								Himamaylan; Negros Island.....	1:20,000		
						4467	.25	Guiuan Harbor; Samar Island.....	1:20,000	19×31	1911
								Pambujan Harbors; Samar Island.....	1:35,000		





COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS -- CONTINUED



# COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS—Continued

No.	Price	TITLE	Scale	Size of border (inches)	Date	No.	Price	TITLE	Scale	Size of border (inches)	Date
4511	\$0.75	Basilan Strait; Mindanao and Basilan Islands.....	1:100,000	32×42	1928			Anchorage in Iligan Bay, etc.—Con.			
4512	.75	Sameles Group, Sulu Archipelago.....	1:100,000	31×42	1926			Oroquieta.....	1:20,000		
4513	.75	Jolo and Tapul Islands, Sulu Archi- pelago.....	1:100,000	33×42	1934	4640	\$0.50	Port Mambajao.....	1:10,000		
4514	.75	Tawitawi and vicinity, Sulu Archi- pelago.....	1:100,000	33×44	1934	4641	.50	Cagayan Anchorage.....	1:20,000		
4516	.75	Pearl Bank to Dammal Island, Sulu Archipelago.....		32×43	1930	4645	.50	Port Misamis; Mindanao Island.....	1:60,000	26×33	1908
4517	.75	Pangutaran Islands.....	1:100,000	31×42	1929			Port Misamis.....	1:20,000		
4518	.75	Jolo to Pilas Islands, Sulu Archipelago.....	1:100,000	31×42	1929			Murcielagos Bay; Mindanao Island.....	1:20,000	30×32	1929
4540	.50	Anchorage Basilan and Samales Is. Port Holland, west coast of Basilan.....		32×33	1927	4647	.25	Vicinity of Zamhoanga Masinloc Anchorage to Caldera Bay; Min- danao Island.....	1:30,000	24×37	1925
		Amoyloi Anchorage, south coast of Basilan.....	1:5,000					Zamhoanga water front.....	1:5,000		
		Ton Sandungan Channel, Samales Group.....	1:20,000			4650	.75	Agusan River entrance; Mindanao Island.....	1:20,000	19×27	1934
		Bojelehung and Kauluan Chan- nels, east coast of Basilan.....	1:20,000			4651	.50	Nasipit Harbor; Mindanao Island.....	1:15,000		
4541	.50	Anchorage in Jolo Islands; Jolo Island.....	1:15,000	31×32	1927			Dumanquilas Bay.....	1:35,000	30×38	1930
		Jolo Anchorage, north coast.....	1:10,000					Harbors on the south and west coasts of Mindanao.....		28×33	1930
		Dalrymple Harbor and Capul Channel, northeast coast.....	1:20,000					Port Banga; Mindanao Island.....	1:20,000		
		Maimbung Bay, south coast.....	1:40,000					Taba Bay; Mindanao Island.....	1:30,000		
4543	.50	Isabela Channel and approaches; Basilan Island.....	1:25,000	25×33	1925	4652	.75	Port Santa Maria; Mindanao Island.....	1:30,000		
4544	.75	Siasi and Lapac Islands.....	1:30,000	31×40	1906			Panabutan and Piacan Bays; Mindanao Island.....	1:40,000		
4546	.75	Harbors in western Tawitawi.....	1:20,000	31×37	1930			Sibuco Bay; Mindanao Island.....	1:30,000		
		Luuk Bay.....	1:20,000					Harbors in Illana Bay and vicinity; Mindanao Island.....		31×34	1931
		Luuk Sula Bay and Batu Batu Bay.....	1:15,000					Port Sihulan.....	1:60,000		
		Manalik Channel.....	1:15,000			4653	.75	Port Baras.....	1:20,000		
		Port Bongao.....	1:15,000					Limbug Cove.....	1:15,000		
4603	.75	Surigao Strait and vicinity; Min- danao and Leyte Islands.....	1:200,000	34×44	1923			Port Sambulauan.....	1:30,000		
4604	.75	Iligan Bay and vicinity.....	1:200,000	31×41	1929			Pagadian Bay.....	1:50,000		
4605	.75	Zamhoanga Peninsula; Mindanao, west coast.....	1:200,000	34×41	1932			Maligay Bay.....	1:50,000		
4606	.75	Port Sibulan to Polloc Harbor; Mindanao Island.....	1:200,000	28×37	1932			Harbors on the south coast of Mindanao Island.....		31×41	1933
4607	.75	Cotabato to Sarangani Bay; Min- danao Island.....	1:200,000	31×41	1925			Port Patuco; Sarangani Island.....	1:10,000		
		Milbuk Harbor.....	1:10,000					Port Bolay; Sarangani Island.....	1:10,000		
4608	.75	Sarangani Bay to Mayo Bay.....	1:200,000	33×41	1931			Port Tumanao, west coast; Sarangani Island.....	1:10,000		
		Palmas Island.....	1:20,000					Canalasan Cove; Mindanao Island.....	1:20,000		
4624	.75	Northern part of Davao Gulf; Min- danao Island.....	1:100,000	32×39	1930			Basiauang Bay; Mindanao Island.....	1:20,000		
		Davao.....	1:5,000					Port Leahak; Mindanao Island.....	1:20,000		
		Malipano Anchorage.....	1:20,000					Tuna Bay; Mindanao Island.....	1:20,000		
4625	.75	Cape San Augustin to Mayo Bay; Mindanao Island.....	1:100,000	26×40	1914			Linao Bay.....	1:30,000		
		Balete Bay.....	1:20,000					Port Leahak.....	1:20,000		
4626	.75	Mayo Bay to Cateel Bay; Min- danao Island.....	1:100,000	30×41	1915			Basiauang Bay.....	1:20,000		
4627	.75	Cateel Bay to Joho Point; Minda- nao Island.....	1:100,000	29×40	1915			Tuna Bay.....	1:20,000		
		Lamon Anchorage.....	1:20,000					Kiamha.....	1:10,000		
		Catarmian Anchorage.....	1:20,000					Kling.....	1:10,000		
4628	.75	Jobo Point to Tugas Point; Min- danao Island.....	1:100,000	29×40	1913	4654	.75	Makar.....	1:10,000		
		Bitaoan Bay.....	1:30,000					Boayan.....	1:10,000		
4629	.75	Hinatuan Passage; Mindanao Island Surigao.....	1:100,000	30×38	1913			Sapu Bay.....	1:10,000		
4638	.75	Harbors on Dinagat, Siargao and Bucas Islands.....		30×37	1913	4655	.75	Canalasan Cove.....	1:10,000		
		Dapa Channel.....	1:35,000					Butulan Cove.....	1:10,000		
		Gaas Bay and Inlet.....	1:30,000					Fort Holland.....	1:10,000		
		Dinagat.....	1:20,000					Port Patuco.....	1:10,000		
		Sohutan Bay and Inlet.....	1:20,000					Port Tumanao.....	1:10,000		
		San Roque.....	1:25,000					Port Bolay.....	1:10,000		
		Port Pilar.....	1:30,000					Kaimha.....	1:10,000		
		Malinao Inlet.....	1:25,000					Mindanao River Delta and Polloc Harbor; Mindanao Island.....	1:50,000	34×41	1917
4639	.75	Anchorage in Iligan Bay and vicinity; Mindanao Island.....		29×35	1911			Parang and Polloc Anchorages.....	1:20,000		
		Plaridel and Inamucan Bay.....	1:25,000					Cotahato entrance, Mindanao River.....	1:20,000		
		Dapitan and Dipolog.....	1:40,000					Mindanao River, upper part; Min- danao Island.....	1:50,000	34×42	1924
		Canauayor Anchorage.....	1:20,000					Continuation of Buluan and Alip Rivers.....	1:50,000		
		Jimenez.....	1:20,000			4656	.75	Anchorage in Davao Gulf.....		32×41	1933
		Iligan and Overton Anchorages and Quinalang Cove.....	1:40,000					Talomo Bay.....	1:30,000		
								Pakiputan Strait.....	1:20,000		
								Malalag Bay.....	1:20,000		
								Kopia.....	1:20,000		
								Magnaga.....	1:20,000		
								Kumassie.....	1:20,000		
								Mapanga.....	1:20,000		
								Port Tuhalan.....	1:20,000		
								Digos.....	1:20,000		
								Malita.....	1:20,000		
								Lais.....	1:20,000		
								Lavigan Anchorage.....	1:5,000		

## UNITED STATES COAST PILOTS AND INTRACOASTAL WATERWAYS PILOTS

Each book furnishes information required by the navigator for the area indicated, that cannot be shown conveniently on the nautical chart. They contain detailed information relative to the coast line, port information, sailing directions for coasting and entering harbors, and general information as to weather conditions, radio service, etc. New editions are published about every five years. Supplements, containing changes and new information, are published annually and distributed free.

Distances Between United States Ports (the last item listed) gives the distances between more than 30,000 ports and points on inland waterways, along the shortest route marked by aids to navigation, and includes a time-table for various distances at different speeds.

### ATLANTIC COAST

Sec. A: St. Croix River to Cape Cod (1933), with Supplement to May 25, 1934. Price, 75 cents.

Sec. B: Cape Cod to Sandy Hook (1933), with Supplement to November 7, 1934. Price, 75 cents.

Sec. C: Sandy Hook to Cape Henry, including Delaware and Chesapeake Bays (1930), with Supplement to June 27, 1934. Price, 75 cents.

Sec. D: Cape Henry to Key West (1928), with Supplement to November 28, 1934. Price, 75 cents.

### GULF COAST

Key West to the Rio Grande (1925), with Supplement to December 14, 1933. Price, 75 cents.

### INTRACOASTAL WATERWAYS (INSIDE ROUTE)

New York to Key West (1931), with January 1935 correction sheet. Price, 30 cents.

Key West to the Rio Grande (1925), with November 1934 correction sheet. Price, 50 cents.

### WEST INDIES

Puerto Rico and Virgin Islands (1929), with Supplement to October 7, 1933. Price, 75 cents.

### PACIFIC COAST

California, Oregon, and Washington (1934). Price, 75 cents.

### ALASKA

Part 1—Dixon Entrance to Yakutat Bay, with Inside Passage from Juan de Fuca Strait to Dixon Entrance (1932), with Supplement to February 12, 1934. Price, 75 cents.

Part 2—Yakutat Bay to Arctic Ocean (1931), with Supplement to March 9, 1934. Price, 75 cents.

### HAWAIIAN ISLANDS

The Hawaiian Islands (1933). Price, 50 cents.

### PHILIPPINE ISLANDS

Part 1—Luzon, Mindoro, and Visayas (1927), with Supplement to April 26, 1934. Price, 75 cents.

Part 2—Palawan, Mindanao, and Sulu Archipelago (1930), with Supplement to April 26, 1934. Price, 75 cents.

### DISTANCE TABLES

Distances Between United States Ports. Price, 10 cents.

## NOTICE TO MARINERS

Notice to Mariners (United States), a weekly leaflet issued jointly with the Bureau of Lighthouses of the Department of Commerce, is free to those who desire copies regularly. It may be consulted at sales agencies and at all United States customhouses, lighthouse offices, hydrographic offices, and consulates abroad. Notice to Mariners is issued as a safety aid, to keep mariners advised of constant changes so they may keep their nautical charts and coast pilots up to date. New charts, new editions of charts, and new publications, are also announced therein.

## TIDE TABLES AND CURRENT TABLES

Tide Tables and Current Tables are issued in advance annually and in addition to the predictions for every day of the year for important harbors, include differences by which similar predictions may be readily obtained for thousands of other places, as well as miscellaneous astronomical data.

The Tide Tables cover the predicted times and heights of high and low water, and include tables for obtaining the height of tide at any time, local civil time of sunrise and sunset, reduction of local civil to standard time, and moonrise and moonset.

The Current Tables cover the predicted time of slack and the times and velocities of strength of current, and include tables on duration of slack, coastal tidal currents, wind currents, combination of currents, and current diagrams of certain waterways.

Tide Tables, Atlantic Ocean. Price, 25 cents.

Tide Tables, Pacific Ocean and Indian Ocean. Price, 25 cents.

Current Tables, Atlantic Coast, North America. Price, 10 cents.

Current Tables, Pacific Coast, North America and Philippine Islands. Price, 10 cents.

Current Diagram No. 2, Chesapeake Bay. Price, 15 cents.

## TIDAL CURRENT CHARTS

Good for any year, they contain 12 tidal current charts of the particular water area covered, and are printed in colors, depicting for each tidal hour the direction and velocity of the current that may be expected throughout the entire harbor. Useful not alone to the navigator but to the engineer and scientist confronted with problems involving the circulation of surface waters.

Boston Harbor (1931). Price, 25 cents.

New York Harbor (1932). Price, 25 cents.

San Francisco Bay (1930). Price, 25 cents.

Long Island Sound and Block Island Sound (1934). Price, 25 cents.

## LIGHT LISTS

### PUBLISHED BY THE LIGHTHOUSE SERVICE

For sale by the Superintendent of Documents, Washington, D. C., and at sales agencies listed in Notice to Mariners in the first issue of each month.

### LIGHT LISTS

[Describe lighted aids and fog signals]

Atlantic Coast of the United States.

Great Lakes, United States and Canada (includes also unlighted aids in United States waters).

Pacific Coast of the United States and Canada (includes also unlighted aids in United States waters).

Mississippi and Ohio Rivers, including Mississippi River and navigable tributaries (includes also unlighted aids).

### LOCAL LIGHT AND BUOY LISTS

[Describe lighted aids, fog signals, unlighted buoys, and daymarks]

New England Coast—Maine, New Hampshire, and Massachusetts.

New York and Approaches—Narragansett Bay to Cape May.

Cape May to Cape Lookout (includes Delaware and Chesapeake Bays and North Carolina Sounds).

Cape Lookout to Dry Tortugas.

Gulf Coast—Key West to Rio Grande.

## MISCELLANEOUS MAPS AND PLANS

No.	Price	TITLE	State	Scale		Size of holder (inches)	Date
				Proportional	Inches to statute miles		
3035	.45	Washington City, by Elliecott.....	D. C.....	1:19,800	3.20	21×29	1792
3043	.45	City of Washington.....	do.....	1:19,800	3.20	17×20	1792
	10.00	King plats of the city of Washington (19 sheets, including title-page, text page, and index map).	do.....	1:2,400	26.4	28×40	1803
	16.20	Portfolio, bound in cloth, half Russia; containing King plats, L'Enfant's, Elliecott's, and Dermott's maps of the city of Washington.	do.....			28×40	-----
3036	.45	Washington City, by W. J. Stone.....	do.....	1:12,070	5.25	23×31	1863
3101 to 3190	Each. .15	District of Columbia, city excepted, in 58 sheets.....	do.....	1:4,800	13.20	14×14	1881 to 1893
3081	.30	Birthplace of Washington.....	Virginia.....	1:10,000	6.34	22×29	1897
3032	.50	Part of Bahama Islands, showing tracks ascribed to Columbus.....				22×36	1881
3240	.25	St. Thomas, Virgin Islands.....	W. I.....	1:40,000	1.58	17×29	1922
3241	.25	St. John, Virgin Islands.....	do.....	1:40,000	1.58	10×22	1934
3242	.25	St. Croix, Virgin Islands.....	do.....	1:40,000	1.58	16×37	1923
3055	.50	San Francisco Peninsula.....	Calif.....	1:40,000	1.58	18×28	1869
3099	.15	Aitoff's Equal Area Projection of the Sphere.....				18×25	1920
3060	.30	Outline Map, Lambert Conformal Conic Projection.....	United States.....	1:5,000,000		26×40	1919
3068	.20	Outline Map, Lambert Zenithal Equal Area Projection.....	do.....	1:7,500,000		21×26	1919
3069	.25	Outline Map, Lambert Conformal Conic Projection.....	Alaska.....	1:5,000,000		18×27	1912
3070	.75	North Atlantic Ocean, with eastern North America and Europe. Lambert Projection.		1:10,000,000		24×46	1918
3074	.50	United States Gnomonic Projection (showing selected airports along air routes).....		1:5,094,000		27×41	1934
3074a	.50	United States Gnomonic Projection (black and white).....		1:5,094,000		27×41	1934
3080	.25	North Pacific Ocean, Transverse Polyconic Projection.....		1:20,000,000		14×41	1921
3082	.25	Outline Map of the Philippine Islands, Polyconic Projection.....		1:2,500,000		20×30	1929
3083	.10	Philippine Islands Base Map, Mercator Projection in Lat. 13° N.....		1:5,000,000		11×17	1905

<sup>1</sup>Scale approximate

## CHARTS AND MAPS ISSUED BY OTHER FEDERAL DEPARTMENTS

[Obtainable from the services named at the addresses given]

### WAR DEPARTMENT:

United States Army (Corps of Engineers)—  
Tactical maps of limited areas.

#### U. S. Engineer Office—

Customhouse, Louisville, Ky.  
Customhouse, Cincinnati, Ohio.  
Maps of Ohio and Wabash Rivers.

#### Lake Survey, New P. O. Building, Detroit, Mich.—

Charts of the Great Lakes, Lake Champlain, and of the St. Lawrence River to Cornwall, Canada.

#### Mississippi River Commission, Box 665, Vicksburg, Miss.—

Mississippi River from the Head of Passes to headwaters.

### NAVY DEPARTMENT: Hydrographic Office—

Charts of foreign countries,

### INTERIOR DEPARTMENT:

#### Geological Survey—

Topographic and geologic maps.

#### General Land Office—

Maps of the United States and of States and Territories.

### POST OFFICE DEPARTMENT: (Topographer's Office)—

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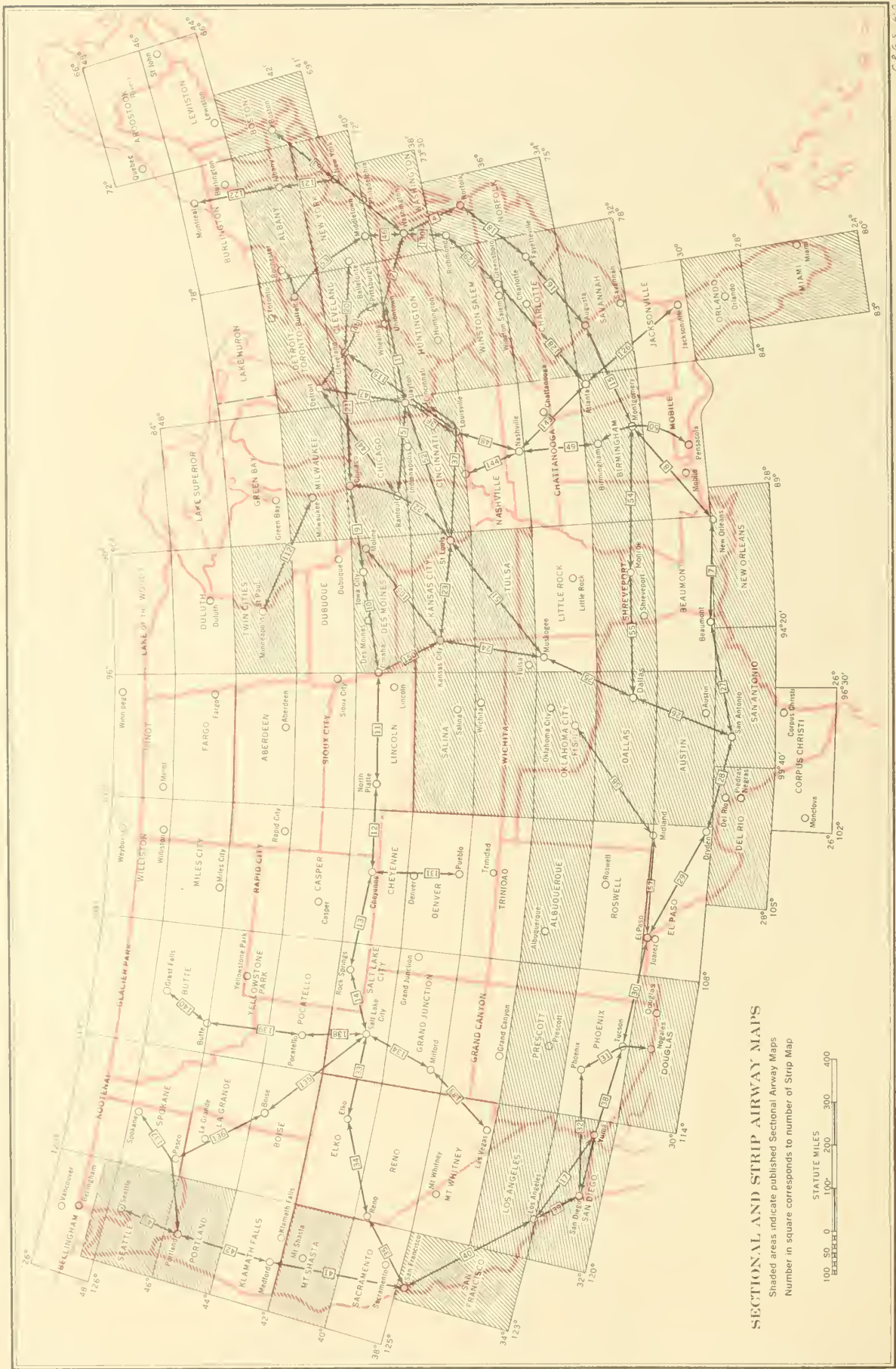


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AIRWAY MAPS OF THE UNITED STATES - DEPARTMENT OF COMMERCE AND WAR DEPARTMENT



## AIRWAY MAPS OF THE UNITED STATES

[For Airway Maps of the Philippine Islands, see page 55]

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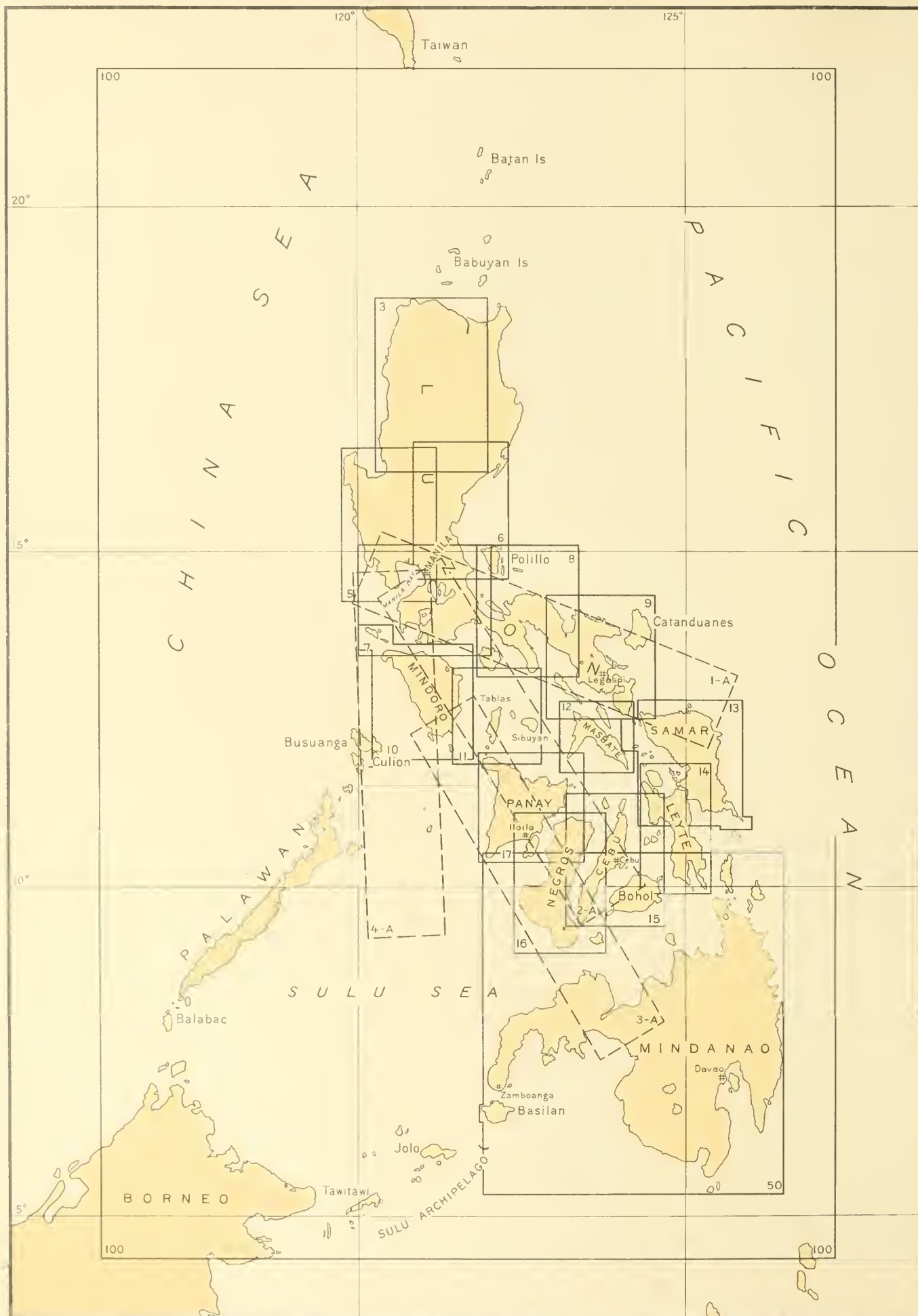
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70	.75	3	289	.50	5	450	.75	13	746	.75	9	1211	.75	9	1350	.75	3
77	.75	3	293	.75	9	452	.75	11	747	.75	9	1212	.75	9	1351	.75	3
78	.75	3	294	.75	11	453	.50	13	748	.75	9	1213	.75	9	3032	.50	50
178	.75	15	295	.75	11			15	801	.75	5	1214	.75	9	3035	.45	50
179	.75	15	296	.50	11	458	.50	15	804	.75	15	1215	.75	9	3036	.45	50
180	.75	15	297	.25	7	470	.75	13	805	.75	15	1216	.75	11	3043	.45	50
181	.75	15	298	.50	9	473	.50	15	901	.75	21	1217	.75	11	3055	.50	50
182	.75	15	299	.25	9	474	.25	15	902	.75	21	1218	.75	11	3060	.30	50
183	.75	15	303	.75	5	480	.25	15	903	.75	21	1219	.75	11	3068	.20	50
184	.75	15	304	.75	5	481	.75	11	904	.75	21	1220	.75	11	3069	.25	50
185	.75	15	305	.75	5	490	.75	17	905	.75	21	1221	.75	11	3070	.75	50
196	.75	17	306	.75	5	492	.75	11	908	.75	21	1222	.75	11	3074	.50	50
197	.75	17	307	.75	5	494	.75	11	909	.50	21	1223	.75	11	3074a	.50	50
198	.75	17	308	.75	5	495	.75	11	913	.75	21	1224	.75	11	3075	.75	3
199	.75	17	309	.75	5	504	.75	11	914	.75	21	1225	.75	11	3076	.75	3
214	.50	9	310	.75	5	508	.50	15	915	.50	21	1226	.75	11	3080	.25	50
215	.75	9	311	.75	5	509	.50	15	916	.25	21	1227	.75	13	3081	.30	50
216	.50	9	312	.75	5	517	.75	17	917	.75	21	1228	.75	13	3082	.25	50
217	.50	9	313	.75	5	518	.25	17	918	.25	21	1229	.75	13	3083	.10	50
218	.75	9	314	.75	5	520	.25	17	920	.75	21	1231	.75	13	3099	.15	50
219	.50	9	315	.75	5	525	.75	17	921	.75	21	1232	.75	13	3101	.15	50
220	.75	9	317	.25	5	529	.75	11	922	.25	21	1233	.75	13	3190	.50	50
221	.75	9	318	.25	5	530	.50	11	923	.25	21	1234	.75	13	3240	.25	50
222	.75	9	319	.25	5	531	.75	11	924	.25	21	1235	.75	13	3241	.25	50
223	.75	9	320	.25	5	533	.50	17	925	.25	21	1236	.75	13	3242	.25	50
224	.75	9	321	.25	5	534	.75	11	926	.75	21	1237	.75	13	3243	.25	19
225	.50	5	325	.50	5	535	.75	11	927	.75	21	1238	.75	13	3252	.25	19
226	.75	9	329	.50	5	536	.75	11	928	.75	21	1239	.75	13	3261	.25	19
227	.25	5	330	.25	5	537	.75	13	929	.75	21	1240	.75	13	4000	.75	37
228	.25	5	331	.25	5	538	.75	13	931	.75	21	1241	.75	13	4101	.25	37
229	.50	5	339	.25	7	539	.75	11	932	.25	21	1242	.75	13	4102	.75	37
230	.50	5	340	.25	7	541	.75	9	933	.25	21	1243	.75	15	4103	.25	37
231	.75	5	343	.50	7	542	.75	9	934	.25	21	1244	.75	15	4104	.75	37
232	.25	7	345	.25	7	543	.50	9	935	.50	21	1245	.75	15	4105	.25	37
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236	.50	7	352	.25	7	557	.75	11	955	.75	21	1249	.75	15	4111	.25	37
240	.75	7	353	.75	7	558	.75	11	1000	.75	3	1250	.75	15	4112	.50	37
242	.50	7	354	.25	7	559	.75	11	1001	.75	3	1251	.75	15	4113	.25	37
243	.75	7	355	.25	7	560	.75	11	1002	.75	3	1252	.75	15	4114	.50	37
245	.75	7	357	.25	7	566	.75	11	1007	.75	3	1253	.75	15	4115	.75	37
246	.75	7	358	.75	9	567	.75	11	1106	.75	3	1254	.75	15	4116	.75	37
247	.50	7	359	.75	9	571	.75	13	1107	.75	3	1255	.75	15	4117	.75	37
248	.75	7	361	.75	9	573	.75	13	1108	.75	3	1256	.75	15	4118	.75	37
249	.75	7	369	.75	9	574	.75	13	1109	.75	3	1257	.75	15	4121	.50	37
250	.50	7	375	.50	9	575	.25	13	1110	.75	3	1265	.75	17	4122	.25	37
251	.75	7	379	.25	11	577	.75	15	1111	.75	3	1266	.75	17	4123	.50	37
252	.75	7	400	.75	11	578	.75	9	1112	.75	3	1267	.75	17	4130	.75	37
254	.50	9	406	.25	13	579	.25	9	1113	.75	3	1268	.75	17	4131	.75	37
255	.50	9	409	.25	13	580	.75	7	1114	.75	3	1269	.75	17	4132	.75	37
256	.50	9	413	.50	17	583	.50	15	1115	.75	3	1270	.75	17	4133	.75	37
262	.25	7	420	.25	13	584	.75	15	1116	.75	3	1271	.75	17	4161	.25	37
274	.25	9	421	.25	13	585	.50	15	1117	.75	3	1272	.75	17	4162	.50	37
276	.50	7	422	.50	13	586	.75	15	1201	.75	5	1277	.75	17	4163	.25	37
278	.75	7	424	.50	13	587	.75	15	1202	.75	5	1278	.75	17	4164	.25	37
280	.75	11	425	.50	13	588	.75	17	1203	.75	5	1279	.75	17	4165	.25	37
281	.50	9	428	.25	13	589	.75	17	1204	.75	5	1280	.75	17	4166	.25	37
282	.50	9	434	.25	13	590	.75	17	1205	.75	5	1282	.75	17	4190	.75	37
283	.75	9	435	.25	13	680	.75	13	1206	.75	5	1283	.75	17	4200	.75	39
284	.50	9	436	.50	13	681	.25	13	1207	.75	7	1284	.75	17	4202	.50	37
285	.75	9	437	.25	13	682	.25	15	1208	.75	7	1285	.75	17	4205	.75	41
286	.75	9	440	.75	13	683	.25	15	1209	.75	7	1286	.75	17	4206	.75	41
287	.75	9	447	.25	13	684	.25	15	1210	.75	7	1287	.75	17			

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